



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 96133

TO: Daniel Sullivan
Location: cm1/cm1/12d12/11e12
Art Unit: 1636
Tuesday, June 17, 2003

Case Serial Number: 445201

From: Susan Hanley
Location: Biotech-Chem Library
CM1-6B05
Phone: 305-4053

susan.hanley@uspto.gov

Search Notes

STIC-Biotech/ChemLib

96133

From: Chan, Christina
Sent: Monday, June 09, 2003 9:06 AM
To: Sullivan, Daniel; STIC-Biotech/ChemLib
Subject: RE: Rush sequence search for 09445201

RECEIVED

JUN-9 2003

Please rush. Thanks Chris

Chris Chan
TC 1600 New Hire Training Coordinator and SPE 1644
308-3973
CM-1, 9B19

-----Original Message-----

From: Sullivan, Daniel
Sent: Sunday, June 08, 2003 9:55 AM
To: Chan, Christina
Subject: Rush sequence search for 09445201

Hi Chris,

Would you please approve the following search for an after final amended case?

Please search for the following in the pending and issued patent databases:

A nucleic acid comprising nucleotides 1-2000, 6036-6959, 8260-10608, 10094-10608 or 11000-12845 of SEQ ID NO:1.

Thank you.

Daniel M. Sullivan
Examiner AU 1636
Room: 12D12
Mail Box: 11E12
Tel: 703-305-4448

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: _____
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:

NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

Db 10065 CCGGAAGATAGCTCAGCAGCTTAAGAGCATTTGGCTGCTCTCTTAGAGAGGCCAGGTTTG 10006
QY 1615 AGTCCTGGCACTCAGA-GGTGGCTCACAATCATCTGTCACTTCAGTTCCAGGGGATCTGA 1673
Db 10005 ATTCCAGCAGCCACATGGCAGCTTCAACTGTGTGAACACAGTTCAGAGATCCAA 9946
QY 1674 AGAATCTTCTGGGCTCAGTCAGGCTCAACTACATACATCTGGTTCATAGACATACGCCA 1733
Db 9945 TACCTCTCTCTGCACTCTCAGGAATATCATCACATAAGTTGTACAGAGACATACATCGAG 9886
QY 1734 GCAATGATTGATCCATACATATGAATAAACCAATAACACAGAAAAA 1784
Db 9885 GCAA---AGACAGCCATACATATAAATGATACAAAAAATCTTTAA 9838

RESULT 2

US-08-920-422-17/c
; Sequence 17, Application US/08920422A
; Patent No. 6255473

GENERAL INFORMATION:

; APPLICANT: Vitek, Michael P.
; APPLICANT: Mitsuda, No. 6255473iaki
; APPLICANT: Roses, Allen D.
; TITLE OF INVENTION: Presenilin-1 Gene Promoter
; FILE REFERENCE: VITEKPRESENTINILIN
; CURRENT APPLICATION NUMBER: US/08/920.422A
; CURRENT FILING DATE: 1997-08-29
; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 17

; LENGTH: 48974

; TYPE: DNA

; ORGANISM: Mus musculus

US-08-920-422-17

Query Match 3.7%; Score 73.4; DB 4; Length 48974;

Best Local Similarity 65.4%; Pred. No. 1.4e-09;

Matches 138; Conservative 0; Mismatches 71; Indels 2; Gaps 2;

QY 1579 AGACAGCGCTGTCTTGGCAGGAGCTAGTTTCAAGTCTGGCACTCAGA-GGTGGCT 1637
Db 9965 AGAGCACTGTCTGCTTGGCAGAGCCAGGTTGTCTCCAGCACCACATGGTGGCT 9906
QY 1638 CACAATCATCTGACTTCAGTCCAGGGGATCTGAAGAATCTTCTGGCTCCATGGC 1697
Db 9905 CATAATCATTAACCTCTGTTTCAGGGCATCTGTCTCTCTCTGACCTCCACAGGC 9846
QY 1698 ATCAACTACACACTTGGTTTCATACATACATGCGCAGCAATGATTCATCATATG 1757
Db 9845 ACCAGGCACAGAT-GTGTACATTTATGCACAGGCAAAACACTTATACATAAATC 9787

QY 1758 AAATAAACCATAAACAGAAAAAAGGAA 1788

Db 9786 TACAAAATGTCTGAAAATAATAAAGGA 9756

RESULT 3

US-09-245-041-5/c

; Sequence 5, Application US/09245041

; Patent No. 6274339

; GENERAL INFORMATION:

; APPLICANT: Moore, K.

; APPLICANT: Nagle, D.

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT

; TITLE OF INVENTION: OF BODY WEIGHT DISORDERS INCLUDING OBESITY

; FILE REFERENCE: 7853-136

; CURRENT APPLICATION NUMBER: US/09/245.041

; CURRENT FILING DATE: 1999-02-05

; EARLIER APPLICATION NUMBER: 60/093,630

; EARLIER FILING DATE: 1998-07-21

; EARLIER APPLICATION NUMBER: 60/104,978

; EARLIER FILING DATE: 1998-10-20

; NUMBER OF SEQ ID NOS: 131

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 5

; LENGTH: 90050

; TYPE: DNA

; ORGANISM: Mus musculus

US-09-245-041-5

Query Match 3.6%; Score 73; DB 4; Length 90050;

Best Local Similarity 61.0%; Pred. No. 2.6e-09;

Matches 153; Conservative 0; Mismatches 95; Indels 3; Gaps 2;

QY 1530 TTACAGGAGAGTTCCAGGAAGCTAGATGGAGAGAGATGGCTCAACAGTTTAGAGCAACGCC 1589
Db 49292 TTAAAGAGTTCCTTACATTTTAGGGGCTAAAGAAATAGGCTAGCAGTTTAAGAGCACTCAC 49233

QY 1590 TGTTCCTTGCAGAGGACCTAGTTCAAGTCTCGCACTCAGAGGTGGCTCACAATCATCTG 1649
Db 49232 TGTCTCTGCAGAGGACCCCTGGGTTGTTCTACAGCCCATATGATGGCTCACAATGATCTA 49173

QY 1650 TGACTTCAGTTCCAGGGATCTGAAGAAATCTTCTGGGCTCCATGGCATCAACATACACA 1709
Db 49172 TCACICTAGTTCCA-GGGATCCAATATCTATTTCTGGCTCCACAGGCA--CTGCACACA 49116

QY 1710 CTTGGTTTCATACATACATGCCAGCAATGATTCATCATCATATGAAATAAACCCATA 1769
Db 49115 CATGATGCACAGGGATACAAAGAGCTAAATATTCATACATATAAAATAAAAAATA 49056

QY 1770 AACAGAAAAA 1780

Db 49055 AACCTTCAAA 49045

RESULT 4

US-09-449-218D-17/c

; Sequence 17, Application US/09449218D

; Patent No. 6395511

; GENERAL INFORMATION:

; APPLICANT: Brunkow, Mary E.

; APPLICANT: Galas, David J.

; APPLICANT: Kovacevich, Brian

; APPLICANT: Mulligan, John T.

; APPLICANT: Paepker, Bryan W.

; APPLICANT: Van Ness, Jeffrey

; APPLICANT: Winkler, David G.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR INCREASING

; TITLE OF INVENTION: BONE MINERALIZATION

; FILE REFERENCE: 240083.508

; CURRENT APPLICATION NUMBER: US/09/449,218D

; CURRENT FILING DATE: 1999-11-24

; NUMBER OF SEQ ID NOS: 45

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 17

; LENGTH: 35828

; TYPE: DNA

; ORGANISM: Mus musculus

; FEATURE:

; NAME/KEY: misc.feature

; LOCATION: (1)..(35828)

; OTHER INFORMATION: n = A,T,C or G

US-09-449-218D-17

Query Match 3.6%; Score 72; DB 4; Length 35828;

Best Local Similarity 66.1%; Pred. No. 3e-09;

Matches 152; Conservative 0; Mismatches 70; Indels 8; Gaps 3;

QY 1560 ACAGATGGCTCAACAGTTTAGAGCAACGGCTGT-----TCTTGCAGAGGACCTAGTTCAA 1615
Db 25605 ACTGATGGCTTAGTGGCTTAAGAGCGCTGCTCTCTTCCGGAGGATCCAGGTTCTG 25546

QY 1616 GTCTTGGCACTCAGA-GGTGGCTCAACATCATCTGTCTGACTTCCAGGGGATCTCAA 1674
Db 25545 TTCTTAGCACCACACAGTGGCTCATACTGCTGCAAGTCCAGGTATCTGAT 25486

Qy	1675	GAATTCCTCTGGCTCCATGGGCATCAAC	TACACACCTTGGTTTCATAGACATACATGCCAG	1734
Db	25485	GCATCTCTTGATCTCTCAGCAGCCAGCGCTTGTAAATCCTACACAGCATATATTCAAG		
Qy	1735	CAAAATGATTGATCCCATCATATGAATAAACCCATAAACAGAAAAA	1784	
Db	25425	CAAAAG---CACTCATACACCTTAAATTAATCACAACAACAAGAAACA	25379	

```

RESULT 5
US-08-135-511-35
; Sequence 35, Application US/08135511
; Patent No. 5558999
; GENERAL INFORMATION:
; APPLICANT: Chiang, John
; TITLE OF INVENTION: Cholesterol 7a-Hydroxylase Gene
; TITLE OF INVENTION: Regulatory Elements and Methods for Using Them
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109
;

```

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/135,511
 FILING DATE: 13-OCT-1993
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: SANDERCOCK, Collin G.
 REGISTRATION NUMBER: 31,298
 REFERENCE/DOCKET NUMBER: 18748/175
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202)672-5300
 TELEFAX: (202)672-5399
 TELEX: 904136
 INFORMATION FOR SEQ ID NO: 35:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 10614 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-135-511-35

[illegible]

TITLE OF INVENTION: Cholesterol 7a-Hydroxylase Gene
TITLE OF INVENTION: Regulatory Elements and Transcription
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington, D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/187,453
FILING DATE: 28-JAN-1994

[illegible]

RESULT 7
US-09-245-041-5
; Sequence 5, Application US/09245041
; Patent No. 6274339
; GENERAL INFORMATION:
; APPLICANT: Moore, K.
; APPLICANT: Nagle, D.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT
; TITLE OF INVENTION: OF BODY WEIGHT DISORDERS INCLUDING OBESITY
; FILE REFERENCE: 7853-136
; CURRENT APPLICATION NUMBER: US/09/245,041
; CURRENT FILING DATE: 1999-02-05

```

; EARLIER APPLICATION NUMBER: 60/093,630
; EARLIER FILING DATE: 1998-07-21
; EARLIER APPLICATION NUMBER: 60/104,978
; EARLIER FILING DATE: 1998-10-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 90050
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-245-041-5

Query Match          3.3%; Score 69.4; DB 4; Length 90050;
Best Local Similarity 69.7%; Pred. No. 2.5e-08;
Matches 108; Conservative 0; Mismatches 46; Indels 1; Gaps 1;

QY 1543 TCCAGGAGCTAGATGGAGATGGCTCAACAGTTTAGAGCAACGGCTGTCTTTCGACAG 1602
DB 77740 TTCAAAATGGGGCTGGAGAGATGGCTCAGTGGTTAAAGCACTGGCTCTTGGTCAG 77799

QY 1603 GACCTAGGTTCAAGTCTCGGCACTCAGA-GGTGGCTCACAATCATCTGCTCACTTCAGTTC 1661
DB 77800 GACACTAGTTCAGTTCGCCAGTACCACATGTTGGCTCACAACCTTCTGTGACTACAGTTC 77859

QY 1662 CAGGGGATCTCAAGAAATTTCTTCTGGGCTCCATGGG 1696
DB 77860 CAGATAACCTGACACCCCTCTCTGGCTTCCTCGGG 77894

RESULT 8
US-09-245-041-3/c
; Sequence 3, Application US/09245041
; Patent No. 6274339
; GENERAL INFORMATION:
; APPLICANT: Moore, K.
; APPLICANT: Nagle, D.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT
; OF OBESITY
; FILE REFERENCE: 7853-136
; CURRENT APPLICATION NUMBER: US/09/245,041
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: 60/093,630
; EARLIER FILING DATE: 1998-07-21
; EARLIER APPLICATION NUMBER: 60/104,978
; EARLIER FILING DATE: 1998-10-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 17056
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-245-041-3

Query Match          3.4%; Score 68.4; DB 4; Length 17056;
Best Local Similarity 62.9%; Pred. No. 1.9e-08;
Matches 122; Conservative 0; Mismatches 71; Indels 1; Gaps 1;

QY 1562 AGATGGCTCAACAGTTTAGCAACCGGCTGTCTTTCAGAGGACCTAGGTTCAAGTCTCTG 1621
DB 3118 AGATGGCTTCTGGTTAAGAGTACTGGTGTCTCTTCCAGAGGACCTCAGGTTTGATCCTAG 3059

QY 1622 GCACCTAGAGGTGGCTCACAATCATCTGTGACITTCAGTTCAGGGGATCTGAAGAAATTC 1681
DB 3058 CATCCACAAGTAGCTCATTAAG-ATCTGTAACTCTAGTTCAGGGGATTCATGCTCTTT 3000

QY 1682 TCTGGGCTCCATGGGCTCAACTACACATCTGGTTTCATAGACATACATGCCAGCAATGA 1741
DB 2999 CTGACATCATTTGGGTACCAAGCAAGCAAGTGGTATATAGGCATACATGTTAAACAATA 2940

QY 1742 TTGATCCATACATA 1755
DB 2939 CCTGTACATGTAAA 2926

; TITLE OF INVENTION: Purified Mammalian Flt3 Ligands and Agonists and Antagonist
; NUMBER OF SEQUENCES: 37
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: Microsoft Word 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05150
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/162,413
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/155,111
; FILING DATE: 19-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/112,391
; FILING DATE: 24-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/106,340
; FILING DATE: 13-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/092,549
; FILING DATE: 16-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/089,263
; FILING DATE: 07-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/065,231
; FILING DATE: 19-MAY-1993
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 344 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
PCT-US94-05150-24

Query Match          3.3%; Score 66.4; DB 5; Length 344;
Best Local Similarity 59.8%; Pred. No. 8.5e-09;
Matches 149; Conservative 0; Mismatches 92; Indels 8; Gaps 2;

QY 1569 TCAACAGTTTAGAGCAACGGCTCTTCTTCAGAGGACCTAGGTTCAAGTCTCGGCACTCA 1628
DB 344 TCAGCAGGTAAAGAACCCCTGGTGTCTCTTGCATTGGACCTGG-----GTCCCCAGCACAC 291

QY 1629 GAGGTGGCTCACAATCATCT--GTGACTTCAGTTCAGGGGATCTGAAGAATTTCTTCTGG 1686
DB 290 GTGGTGGTTACACAGGAGCANNAGAGACTCCAGTTTCAGGGGATCTGTGCTCCCTCTTCTGG 231

QY 1687 GCTCCATGGGCATCAACTACACACTTGGTTTCATAGACATACATGCCAGCAATGATTGAT 1746
DB 230 CCTCTGCGAGCCACAGACACATTCAGTGCACCTTACAGGCATGTAGGTAAAAACACTCAC 171

QY 1747 CCATACATATGAATAAACCAACAGAAAAAAGGAAGGAGTGTGAGGGAAGGAAAAA 1806
DB 170 ACATAAAGATACATCTTTTAAAAAAGAAAGAAAGAGAGAGAAAAATAGGAGCAAGAAC 111

QY 1807 AGTTTAAAA 1815
DB 110 ATGTGTGAA 102

RESULT 10
```


US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fls
US-08-232-463-14

Query Match 3.2%; Score 64.6; DB 1; Length 7218;
Best Local Similarity 3.3%; Pred. No. 1.3e-07;
Matches 13; Conservative 231; Mismatches 145; Indels 0; Gaps 0;
QY 696 CAAGTGAGCATATGAAGTCCATTTACATGGCTAGTACATATACTTTTAAAGTGTGA 755
DB 1051 CGAGGGAGCTGGCATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1110
QY 756 CATAGTTATATTTTCCATTATTTATTTACTTTATATCTGTATCATACACCCCTTC 815
DB 1111 YY 1170
QY 816 CTCTGGATTAACTCTCTCCACTGCTCTTACCCTCCCATCTCTCTTCACTCTGAGA 875
DB 1171 YY 1230
QY 876 AGGGGGATACCTCTCTCTATCTGTTCAGTGGGAGAGATGATCTTAACACATA 935
DB 1231 YY 1290
QY 936 TAATTTTAAATCCCTAGTTTCTTCTATACACCTTACTTATCTATCTATCTTTCAG 995
DB 1291 YY 1350
QY 996 GAAGGATGTTTAATCTTTTATTTTATGTGTACGAGTGTGTTCCTACACAGT 1055

DB 1351 YY 1410
QY 1056 CATAGTGCATGCATACATATTTTGTCTGCC 1084
DB 1411 YY 1439
RESULT 11
US-08-611-280-4
; Sequence 4, Application US/08611280
; Patent No. 5891666
; GENERAL INFORMATION:
; APPLICANT: Matsuyama, Toshifumi
; APPLICANT: Grossman, Alex
; APPLICANT: Richardson, Christopher D.
; TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Canada Inc.
; STREET: 6733 Mississauga Road, Suite 303
; CITY: Mississauga
; STATE: Ontario
; COUNTRY: Canada
; ZIP: L5N 6J8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/611,280
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy A.
; REGISTRATION NUMBER: 34,688
; REFERENCE/DOCKET NUMBER: A-338A
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12537 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-611-280-4

Query Match 3.1%; Score 62; DB 2; Length 12537;
Best Local Similarity 72.7%; Pred. No. 9e-07;
Matches 80; Conservative 0; Mismatches 30; Indels 0; Gaps 0;
QY 1540 AGTTCAGGAAGCTAGATGGAGAGATGGCTCAACAGTTTGTAGACACGCTGTTCTGCA 1599
DB 11026 AGAAGCAACAACAGGGCTGGAGAGATGGCTAGTTGTTAAGAGACACAGCTGTTCTTCCA 11085
QY 1600 GAGGACCTAGTTTCAAGTCTCGGCTGAGAGTGGCTGCTACATCATCTG 1649
DB 11086 GAGTCTCTGAGTTTAAATCTTACAAACCAACATGCTGCTTACAAACATCTG 11135
RESULT 12
US-09-195-940-4
; Sequence 4, Application US/09195940
; Patent No. 6258935
; GENERAL INFORMATION:
; APPLICANT: Matsuyama, Toshifumi
; APPLICANT: Grossman, Alex
; APPLICANT: Richardson, Christopher D.
; TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Canada Inc.
; STREET: 6733 Mississauga Road, Suite 303

```

; CITY: Mississauga
; STATE: Ontario
; COUNTRY: Canada
; ZIP: L5N 6J8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/195,940
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/611,280
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy A.
; REGISTRATION NUMBER: 34,688
; REFERENCE/DOCKET NUMBER: A-338A
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12537 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-195-940-4

Query Match 3.1%; Score 62; DB 4; Length 12537;
Best Local Similarity 72.7%; Pred. No. 9e-07;
Matches 80; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

QY 1540 AGTTCAGGAAGCTAGATGAGAGATGGCTCAGAGCTTTAGACCAAGCGCTGTTCTTGA 1599
Db 11026 AGAAGCAACAACGGGCTGGAGAGATGGCTCAGTTGTTAAGACACAGCGCTGTTCTTCCA 11085

QY 1600 GAGGACCTAGTTCAGTCTGCACCTCAGAGTGGCTCACAATCATCTG 1649
Db 11086 GAGGTCCTGAGTTAATTCCTAGAACCAACATGTGCTTACAAACCATCTG 11135

RESULT 14
US-09-402-929-3/C
; Sequence 3, Application US/09402929
; Patent No. 6410825
; GENERAL INFORMATION:
; APPLICANT: Temple University - Of The Commonwealth System of Higher Education
; APPLICANT: Toscani, Antonio
; APPLICANT: Hatton, Kimi
; APPLICANT: Reddy, E. P.
; TITLE OF INVENTION: A-myb NULL MUTANT TRANSGENIC ANIMALS AND
; TITLE OF INVENTION: USES THEREOF
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEIDEL, GONDA, LAVORGNA & MONACO, P.C.
; STREET: Suite 1800 Two Penn Center Plaza
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/402,929
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US98/06896
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Morasco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 6056-214 PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5889 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-402-929-3

Query Match 3.0%; Score 59.6; DB 4; Length 5889;
Best Local Similarity 72.6%; Pred. No. 2.7e-06;

; CITY: Mississauga
; STATE: Ontario
; COUNTRY: Canada
; ZIP: L5N 6J8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/562,466
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/195,940
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy A.
US-09-562-466-4

Query Match 3.1%; Score 62; DB 4; Length 12537;
Best Local Similarity 72.7%; Pred. No. 9e-07;
Matches 80; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

QY 1540 AGTTCAGGAAGCTAGATGAGAGATGGCTCAGAGCTTTAGACCAAGCGCTGTTCTTGA 1599
Db 11026 AGAAGCAACAACGGGCTGGAGAGATGGCTCAGTTGTTAAGACACAGCGCTGTTCTTCCA 11085

QY 1600 GAGGACCTAGTTCAGTCTGCACCTCAGAGTGGCTCACAATCATCTG 1649
Db 11086 GAGGTCCTGAGTTAATTCCTAGAACCAACATGTGCTTACAAACCATCTG 11135

RESULT 13
US-09-562-466-4
; Sequence 4, Application US/09562466
; Patent No. 6369202
; GENERAL INFORMATION:
; APPLICANT: Matsuyama, Toshifumi
; APPLICANT: Grossman, Alex
; APPLICANT: Richardson, Christopher D.
; TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Canada Inc.
; STREET: 6733 Mississauga Road, Suite 303
; CITY: Mississauga
; STATE: Ontario
; COUNTRY: Canada
; ZIP: L5N 6J8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/562,466
; FILING DATE: 01-May-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/195,940
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy A.
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:47:07 ; Search time 271.155 Seconds
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Published Applications_NA:*

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	93.4	4.7	110079	9	US-10-175-523-96
C 3	92.4	4.6	8905	10	US-09-877-935-1
C 4	89.2	4.5	303	10	US-09-728-445-834
C 5	86.8	4.3	367	10	US-09-728-445-456
C 6	84.6	4.2	9990	10	US-09-767-088A-2
C 7	84.6	4.2	9990	10	US-09-767-088A-15
C 8	83.6	4.2	123192	9	US-10-175-523-71
C 9	82.8	4.1	331	10	US-09-728-446-411
C 10	82.4	4.1	106664	9	US-10-175-523-97
C 11	80.4	4.0	396	10	US-09-917-800A-625
C 12	78	3.9	74868	9	US-10-175-523-67
C 13	76.2	3.8	249487	9	US-10-026-188-3
C 14	73.6	3.7	130427	9	US-10-175-523-87
C 15	73.6	3.7	659158	9	US-09-771-208-20
C 16	73	3.6	90050	10	US-09-893-238-5
C 17	72	3.6	4998	10	US-09-738-968-42
C 18	71.4	3.6	90442	9	US-10-105-637-1
C 19	70.2	3.5	288	9	US-09-728-444-824

C 20	70	3.5	123192	9	US-10-175-523-71
C 21	69.4	3.5	30310	10	US-09-800-631-96
C 22	69.4	3.5	90050	10	US-09-893-238-5
C 23	68.6	3.4	272	10	US-09-728-445-456
C 24	68.4	3.4	17056	10	US-09-893-238-3
C 25	67.8	3.4	2221	10	US-09-796-858-17
C 26	67.6	3.4	401	10	US-09-728-446-929
C 27	66.8	3.3	251364	9	US-10-175-523-58
C 28	66.8	3.3	251364	9	US-10-175-523-61
C 29	66.8	3.3	251364	9	US-10-175-523-79
C 30	66.6	3.3	6043	9	US-09-989-981A-9
C 31	66.2	3.3	317	9	US-09-728-444-193
C 32	65.8	3.3	158405	9	US-10-175-523-86
C 33	65	3.2	353	10	US-09-917-800A-623
C 34	65	3.2	3750	10	US-09-917-800A-474
C 35	65	3.2	90442	9	US-10-105-637-1
C 36	64.8	3.2	2467	9	US-09-759-130B-181
C 37	64.8	3.2	74868	9	US-10-175-523-67
C 38	64.2	3.2	360	9	US-09-728-444-23
C 39	64.2	3.2	1648	10	US-09-809-545A-65
C 40	64.2	3.2	2304	9	US-10-175-523-69
C 41	63.8	3.2	465	9	US-09-728-444-434
C 42	63	3.1	158405	9	US-10-175-523-86
C 43	62.8	3.1	366	9	US-09-728-444-208
C 44	62.8	3.1	3763	9	US-09-870-759-141
C 45	62.2	3.1	265	9	US-09-728-444-170

ALIGNMENTS

RESULT 1

US-09-771-208-20/c
; Sequence 20, Application US/09771208
; Patent No. US20020155564A1
; GENERAL INFORMATION:
; APPLICANT: MEDRANO, JUAN
; APPLICANT: BRADFORD, ERIC
; APPLICANT: HORVAT, SIMON
; TITLE OF INVENTION: CLONING OF A HIGH-GROWTH GENE
; FILE REFERENCE: 407T-923710US
; CURRENT APPLICATION NUMBER: US/09/771,208
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: US 08/999,477
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 659158
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (123459)..(123478)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (602466)..(602485)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (546598)..(547017)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (494715)..(494814)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (390986)..(391005)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (346860)..(346823)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (317174)..(317193)
; OTHER INFORMATION: n is unidentified a, c, g, or t

Sequence 71, Appl
Sequence 96, Appl
Sequence 5, Appl
Sequence 496, Appl
Sequence 3, Appl
Sequence 17, Appl
Sequence 929, Appl
Sequence 58, Appl
Sequence 61, Appl
Sequence 79, Appl
Sequence 9, Appl
Sequence 193, Appl
Sequence 86, Appl
Sequence 623, Appl
Sequence 474, Appl
Sequence 1, Appl
Sequence 181, Appl
Sequence 67, Appl
Sequence 23, Appl
Sequence 65, Appl
Sequence 69, Appl
Sequence 434, Appl
Sequence 86, Appl
Sequence 208, Appl
Sequence 141, Appl
Sequence 170, Appl

Tue Jun 17 12:27:06 2003

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; NAME/KEY: misc.feature
; LOCATION: (280353)..(280373)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; LOCATION: (271829)..(271848)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; LOCATION: (183872)..(183891)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; LOCATION: (170625)..(170645)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; LOCATION: (132680)..(132700)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; OTHER INFORMATION: n is a, c, g, or t
US-09-771-208-20

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Query Match 4.7%; Score 94.8; DB 9; Length 659158;
Best Local Similarity 61.2%; Pred. No. 2.9e-11;
Matches 170; Conservative 0; Mismatches 107; Indels 1; Gaps 1;

QY 1538 AGATTCCAGGAGCTAGATGGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTCTTG 1597
Db 492116 ACATTTAAAAAATTTAAAAATGAGAGATGGCTCATCGGTTAAGCACACCGAGCTGCTTC 492057

QY 1598 CAGAGGACCTAGTTCAAGTCTCGCACTCAGAG-GTGGCTCAACATCATCTGTGACTTC 1656
Db 492056 CAGAAGTTCCTGGTATTAATTCCTAGCACCTACCCAGCAGCTCATACCACTATGATTC 491997

QY 1657 AGTTCCAGGGATCTGAAGAATTCCTTGGCTCCATGGGCATCAACTACACACTTGGTT 1716
Db 491996 AGTCCCGGGATCTGATGCTCTCTTGGACTCTGTAATCACTAGATATCGCGATGGT 491937

QY 1717 CATAGACATACATGCCACCAATGATTGATCATCATACATATGAATAAACCATAAACAGAA 1776
Db 491936 CACAGATATACATGAGTCAAAACCCAGATACATATAATTCRAAACACITTAATGGAAG 491877

QY 1777 AAAAAAAGGAGGTGAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1814
Db 491876 AAAAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 491839

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RESULT 2
US-10-175-523-96/c
; Sequence 96, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197

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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 110079
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(110079)
; OTHER INFORMATION: where n may be a or g or c or t/u, unknown, or other
US-10-175-523-96

Query Match 4.7%; Score 93.4; DB 9; Length 110079;
Best Local Similarity 61.9%; Pred. No. 2.2e-11;
Matches 148; Conservative 0; Mismatches 91; Indels 0; Gaps 0;

QY 1546 AGAAGCTAGATGGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTCTTTCAGAGGAC 1605
Db 36386 ATGAGGGAACCTGGAGAGATGACTCACCACTGCTAGTATAGTATAGTATAGTATAGTATAG 36327

QY 1606 CTAGGTTCAAGTCTGGCACTCAGAGGTGGCTCAACATCATCTGTGACTTCAGTTCAGG 1665
Db 36326 CTGGTTTCATTCCTCCAGTACCCACACTGCAACTAAATACATCTATAACTGCAGTTCAGG 36267

QY 1666 GGATCTGAAGAATTCCTTCTGGCTCCATGGCTCAACACTACACACTTGGTTCATAGACAT 1725
Db 36266 AGATTCAACTCTTCTGTTCTGGCTCCCAACAGCATCAGGCACATAAATGGTGTACAGACAT 36207

QY 1726 ACATGCCAGCAAAATGATTGATCCATACATATGAATAAACCATAAACAGAAAAA 1784
Db 36206 ACACAGACAAACACTCAATACATATAAATAAATAAATAAATAAATAAATAAATAAATAA 36148

RESULT 3
US-09-877-935-1
; Sequence 1, Application US/09877935
; Patent No. US20020102705A1
; GENERAL INFORMATION:
; APPLICANT: Pinto, Daniel
; APPLICANT: Robine, Sylvie
; APPLICANT: Jaisser, Frederic
; APPLICANT: Louvard, Daniel
; TITLE OF INVENTION: REGULATORY SEQUENCES OF THE MOUSE VILLIN GENE - USE IN TRANSGE
; FILE REFERENCE: 13294-002001
; CURRENT APPLICATION NUMBER: US/09/877,935
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: PCT/EP 98/08009
; PRIOR FILING DATE: 1998-12-09
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 8995
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: intron
; LOCATION: (3489)..(8981)
; NAME/KEY: exon
; LOCATION: (3443)..(3487)
; OTHER INFORMATION: exon 1
US-09-877-935-1

Query Match 4.6%; Score 92.4; DB 10; Length 8995;
Best Local Similarity 67.0%; Pred. No. 8.9e-12;
Matches 146; Conservative 0; Mismatches 71; Indels 1; Gaps 1;

QY 1555 GATGGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTCTTTCAGAGGAGGACCTAGTTCA 1614
Db 1855 GAGGAGAGATGGCTCAGCTCAGCTTCCAGGAGCAGCTTGTCTCTTTCAGAGGAGGACCTAGATTA 1914
QY 1615 AGTCTGGCAGCTCAGA-GGTGGCTCAACATCATCTGTGACTTCAGTTCAGGAGGATCTGA 1673
Db 1915 GTTCCAGGAGCTCATATGTTGGCTCAACAGGCACTGTGAATCCAGTTCAGAGGAGGTTCCA 1974

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QY 1674 AGAATTCCTTCTGGGCTCCATGGGCATCAACACTACACACTTGGTTTCATAGACATACATGCCA 1733
 Db 1975 CACCCTCTCTGGCTCCACAGCGCACCATACATAGTACACAGACATACATGCGAGGCAA 2034
 QY 1734 GCAATGATGATTCATCATATCAATGAATAAACCCATAAA 1771
 Db 2035 ACACCCCATACACATAAATAAATAAGGAACACTTAAA 2072

RESULT 4

US-09-728-445-834
 ; Sequence 834, Application US/09728445
 ; Patent No. US20020102543A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Friedrich, Glenn
 ; APPLICANT: Zambrowicz, Brian
 ; APPLICANT: Sands, Arthur T.
 ; TITLE OF INVENTION: No. US20020102543A1el Mutated Mammalian Cells and
 ; FILE REFERENCE: LEX-0102-USA
 ; CURRENT APPLICATION NUMBER: US/09/728,445
 ; CURRENT FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: US 60/168,358
 ; PRIOR FILING DATE: 1999-12-01
 ; NUMBER OF SEQ ID NOS: 891
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 834
 ; LENGTH: 303
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)...(303)
 ; OTHER INFORMATION: n = A,T,C or G
 US-09-728-445-834

Query Match 4.5%; Score 89.2; DB 10; Length 303;
 Best Local Similarity 66.5%; Pred. No. 7.3e-12;
 Matches 141; Conservative 0; Mismatches 70; Indels 1; Gaps 1;
 QY 1557 TGGAGAGTGGCTCAACAGTT-TAGAGCAACGGCTGTTCTTCAGAGGACCTAGGTTCAA 1615
 Db 91 TGGAGAAATGACTCAACAGTAAAAAAGCAGCTGCTCTTCAGAGGACCCCAAGTCTGA 150
 QY 1616 GTCTGGCACTCAGAGGTGGCTCAACATCATCTGTGACTTCAGTTCAGGCGGATCTGAAG 1675
 Db 151 TTCCAGCAGCCACATGATGTTTCAACAATCTCTTAACCTCCAGTTCAGGCGGATNTAATG 210
 QY 1676 AATCTCTGGCTCCATGGGCATCAACTACACACTTGGTTTCATAGACATATGCTACAGC 1735
 Db 211 CTCCTCTGATCTTNTGGAGTACCAGCACACATGATGTACAGACATATATACAGCC 270
 QY 1736 AATGATTCATCCATACATATGAATAAACCA 1767
 Db 271 AAAGTACACATACATAAATAAATGAATAATCTA 302

RESULT 5

US-09-728-445-456
 ; Sequence 456, Application US/09728445
 ; Patent No. US20020102543A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Friedrich, Glenn
 ; APPLICANT: Zambrowicz, Brian
 ; APPLICANT: Sands, Arthur T.
 ; TITLE OF INVENTION: No. US20020102543A1el Mutated Mammalian Cells and
 ; FILE REFERENCE: LEX-0102-USA
 ; CURRENT APPLICATION NUMBER: US/09/728,445
 ; CURRENT FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: US 60/168,358
 ; PRIOR FILING DATE: 1999-12-01
 ; NUMBER OF SEQ ID NOS: 891

; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 456
 ; LENGTH: 367
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)...(367)
 ; OTHER INFORMATION: n = A,T,C or G
 US-09-728-445-456

Query Match 4.3%; Score 86.8; DB 10; Length 367;
 Best Local Similarity 64.6%; Pred. No. 3.1e-11;
 Matches 144; Conservative 0; Mismatches 78; Indels 1; Gaps 1;
 QY 1563 GATGGCTCAACAGTTTAGAGCAACGGCTGTTCTTCAGAGGACCTAGGTTCAGTCTGG 1622
 Db 143 GATGGCTCAGAGTTTTCAGCAGTGGATGCTGTTCCGGAGGACCTGAGTTCAGTTCGCCAG 202
 QY 1623 CACTCAGA-GGTGGCTCAACATCATCTGTGACTTCCAGGCGGATCTGAAGAAATCT 1681
 Db 203 CCCCACATGNGGCTCAACACCTTCAGTAACCTCCAGTTCAGGAGATCTGTGCCCTGT 262
 QY 1682 TCTGGCTCCATGGGCATCAACTACACACTTGGTTTCATAGACATATGCGCAGCAATGA 1741
 Db 263 TCTGACATCTGCTGGCACCAGGTAGATATGTTGTCACAGACGGTATATGCGCAGCTGC 322
 QY 1742 TTGATCCATACATATGAATAAACCAATAAACAGAAAAA 1784
 Db 323 ACCGTACACATAAATAAATTCGAAAACTGGAACAACAAA 365

RESULT 6

US-09-767-088A-2/c
 ; Sequence 2, Application US/09767088A
 ; Patent No. US2002010947A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gurney, Mark E.
 ; APPLICANT: Abraham, Irene
 ; TITLE OF INVENTION: Transgenic Mouse Model Of Human Neurodegenerative Disease
 ; FILE REFERENCE: PHRM0303
 ; CURRENT APPLICATION NUMBER: US/09/767,088A
 ; CURRENT FILING DATE: 2001-01-22
 ; PRIOR APPLICATION NUMBER: 60/177,319
 ; PRIOR FILING DATE: 2000-01-21
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 9990
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 US-09-767-088A-2

Query Match 4.2%; Score 84.6; DB 10; Length 9990;
 Best Local Similarity 66.2%; Pred. No. 7.5e-10;
 Matches 137; Conservative 0; Mismatches 69; Indels 1; Gaps 1;
 QY 1559 GAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTCTTCAGAGGACCTAGGTTCAGTCT 1618
 Db 3097 GAGTATGGCTCAGTAGTTAAGAACACACTGGCTGCTCTTCCAGATGCTCCTGGTTTGT 3038
 QY 1619 CTGGCACTCA-GAGGTGGCTCACAATCATCTGTGACTTCCAGTTCAGTTCAGGATCTCAAGAA 1677
 Db 3037 CCAGCACCCATGTGTAGTCTCACAACCTCTGAACTCCAGCTCTAGGAGATCTGATGCT 2978
 QY 1678 TTCTTCTGGGCTCCATGGGCATCAACTACACACTTGGTTTCATAGACATATGCGCAGCAA 1737
 Db 2977 CTCTTTTGGCCTCTGCGAGGAGCCAGCCATGATGTGTACACAGACATACTTTCAGGCAA 2918
 QY 1738 ATGATTCATCCATACATATGAATAAAA 1764
 Db 2917 AATACCCATGCACATGAGCTCAATAA 2891

Tue Jun 17 12:27:06 2003

PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71
; LENGTH: 123192
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-175-523-71

Query Match 4.2%; Score 83.6; DB 9; Length 123192;
Best Local Similarity 62.4%; Pred. No. 5.8e-09;
Matches 131; Conservative 0; Mismatches 79; Indels 0; Gaps 0;
QY 1555 GATGAGAGATGGCTCAACAGTTTATAGAGCAACGGCTGTCTTTCGACAGGAGCCTAGGTTCA 1614
Db 100542 GCTGGAGAGATGACTCAGTGGTTAAGAACACTCGCTGCTCTTTCAGGGAACCTGGTTCA 100601
QY 1615 AGTCTGGCACTCAGAGGTGGCTCACAATCATCTGTGACTTCAGTTCCAGGGGATCTGAA 1674
Db 100602 TTGACCACTCAGAGTATAGCTTACAAACCTCTTAACCTTCAAGTTTCAAGGGGTCTGAT 100661
QY 1675 GAATTCCTTCTGGCTCCATGGGCATCACTCACTACACACTTGGTTTCATAGACATACATGCCAG 1734
Db 100662 GCTCTCTTCTGGCTCCATAGCACTGGGCATACATTTGATCCACATACATGCATCATG 100721
QY 1735 CAATGATGTATCCATACATATGAAATAA 1764
Db 100722 TAGGCAACATACACAGAAATGAAAGTAA 100751

Query Match 4.2%; Score 84.6; DB 10; Length 9990;
Best Local Similarity 66.2%; Pred. No. 7.5e-10;
Matches 137; Conservative 0; Mismatches 69; Indels 1; Gaps 1;

QY 1559 GAGAGATGGCTCAACAGTTTATAGAGCAACGGCTGTCTTTCGACAGGAGCCTAGGTTCAAGTC 1618
Db 3097 GAGTATGGCTCAGTAGTAAAGAACACTGGCTGCTCTTCCAGATGTCTGGGTTTGT 3038
QY 1619 CTGGCACTCA-GAGGTGGCTCAACATCATCTGTGACTTCAGTTCCAGGGGATCTGAAGAA 1677
Db 3037 CCAGCACCATCTGGTAGTCAACAACTTCTGAACCTCCAGCTTAGGAGATCTGATGCT 2978
QY 1678 TTCCTTGGCTCCATGGGCATCACTACACACTTGGTTTCATAGACATACATGCCAGCAA 1737
Db 2977 CTCCTTTGGCTCTCGCAGGAGCCATGCTATGGTGGTACACAGACATCTTCAGGCCAA 2918
QY 1738 ATGATGATCCATACATATGAAATAA 1764
Db 2917 AATACCATCCACATGAGTCAATAAA 2891

RESULT 8

US-10-175-523-71
; Sequence 71, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rejan, Prithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/UJ795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834

RESULT 9

US-09-728-446-411
; Sequence 411, Application US/09728446
; Patent No. US20020081668A1
; GENERAL INFORMATION:
; APPLICANT: Friedrich, Gleon
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. US20020081668A1 Murine Polynucleotide Sequences
; TITLE OF INVENTION: and Mutant Cells and Mutant Animals Defined Thereby
; FILE REFERENCE: LEX-0101-USA
; CURRENT APPLICATION NUMBER: US/09/728,446
; CURRENT FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/168,270
; PRIOR FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 1461
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 411
; LENGTH: 331
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(331)
; OTHER INFORMATION: n = A,T,C or G
US-09-728-446-411

Query Match 4.1%; Score 82.8; DB 10; Length 331;
Best Local Similarity 64.2%; Pred. No. 2.8e-10;
Matches 140; Conservative 0; Mismatches 77; Indels 1; Gaps 1;
QY 1563 GATGGCTCAACAGTTTATAGAGCAACGGCTGTCTTTCGACAGGAGCCTAGGTTCAAGTCTGG 1622
Db 114 GATGGCTCAGCAGTTTTCAGCAGGTGGATGCTGTTCGAGAGACCTTGATTCAGTTCCTCCAG 173
QY 1623 CACTCAGA-GGTGGCTCACAATCATCTGTGACTTCAGTTCCAGGGGATCTGAAGAATTC 1681
Db 174 CCCCCACATGGTGGCTCACAACCTTCAGTTCAGTTCCAGGAGATCTGGTGGCTGT 233
QY 1682 TCTGGCTCCATGGGCATCACTCACTTCAGTTTCATAGACATACATGCCAGCAATCA 1741
Db 234 TCTGACATCTGCTGGCACCAGGTAGATATGTGTCGACAGACGGGTATATGTCACCGCATGTC 293

Qy	1742	TTGATCCATACATATGAAATAACCATAAACAGAAAA	1779
Db	294	ACCGTACACATAAAATAAAAATTCGAAAACTGGGAAAA	331

RESULT 10

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US-10-175-523-97/c
: Sequence 97, Application US/10175523
: Publication No. US20030096264A1
: GENERAL INFORMATION:
: APPLICANT: Brockman, Jeffrey
: APPLICANT: Evans, David
: APPLICANT: Hook, Derek
: APPLICANT: Klimczak, Leszek
: APPLICANT: Laeng, Pascal
: APPLICANT: Paifreyman, Michael
: APPLICANT: Rajan, Priithi
TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
FILE REFERENCE: 3235/1J795-US3
CURRENT APPLICATION NUMBER: US/10/175,523
CURRENT FILING DATE: 2002-06-18
PRIORITY APPLICATION NUMBER: US 60/299,151
PRIORITY FILING DATE: 2001-06-18
PRIORITY APPLICATION NUMBER: US 60/317,828
PRIORITY FILING DATE: 2001-09-07
PRIORITY APPLICATION NUMBER: US 60/325,150
PRIORITY FILING DATE: 2001-09-25
PRIORITY APPLICATION NUMBER: US 60/333,047
PRIORITY FILING DATE: 2001-11-14
PRIORITY APPLICATION NUMBER: US 60/349,936
PRIORITY FILING DATE: 2002-01-18
PRIORITY APPLICATION NUMBER: US 60/361,834
PRIORITY FILING DATE: 2002-03-04
NUMBER OF SEQ ID NOS: 197
SOFTWARE: PatentIn version 3.1
SEQ ID NO 97
LENGTH: 106664
TYPE: DNA
ORGANISM: Mus musculus domesticus
S-10-175-523-97

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Query Match	4.1%	Score 82.4;	DB 9;	Length 106664;
Best Local Similarity	63.8%	Pred. No. 1e-08;		
Matches 157;	Conservative 0;	Mismatches 86;	Indels 3;	Gaps 2;
1563	GATGGCTCAACAGTTTAGACACGCGTGTCTTCGAGAGGACCTAGGTTCAAGTCCCTGG	1632		
66043	GATGGCTTAGTGGTTAAGACCTACTGCTGCTCTTCGAGAGGACCTGTATTCAATTCCCGAG	65984		
1623	CACCTACA-CGTGGCTCACAAATCATCTGTCACTTTCAGTTCCTCCAGGGGATCTCTCAAGAAATTCCT	1681		
65983	CACCCACATGGAGGTTTAAACAATGTCTGTAACTCCAGTTCCTCAAGGAATCGCACACCTTCT	65924		
1682	TCTGGGCTCATGGGCATCAACTTACACACTTCGGTTCATGACATACATGCCAGCAATGA	1741		
65923	TCTGGTTTCCATGAGCA--CTGCACACATGTGGTGCACAGACATACATGTTGGCAAAATG	65866		
1742	TTGATCCATACATATCAATAAACCATTAACAGAAAAAAGGAGGTCAGGGAAGGA	1801		
65865	CCACACACATAAAAATAATTTTTTAAAAACATTTTAAAGAAAGGTTCTTTTGGAATTGAC	65806		
1802	AAAAA	1807		
65805	CCAAA	65800		

RESULT 11

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US-09-917-800A-625/c
; Sequence 625, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
;
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Priithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18

```

Query Match	4.0%;	Score 80.4;	DB 10;	Length 396;
Best Local Similarity	62.1%;	Pred. No. 1.2e-09;		
Matches 144;	Conservative 0;	Mismatches 86;	Indels 2;	Gaps 1;
QY	1559	GAGAGATGGCTCAACAGTTTACAGCAACGGCTCTTCTTCGACGAGGACCTTAGGTTCAAGTC	1618	
Db	237	GGGAATAGCTATTGGTTAGCAGCACCGGTGCTCTCCAGGGGTCGACGGTCTTATTTC	178	
QY	1619	CTGGCACTCAGA--GGTGAGCTCACATCATCTGTGACTTCCAGGCGGATCTGAAGA	1676	
Db	177	CCAGCACCTTAGATGGCGCTCCCAAATCTTTGCAACTCCAGTCCAGGAGATCCAGTGC	118	
QY	1677	ATTCTTCTGGGCTCCATGGGCATCAACTACACACTTGGTTTCATAGACATACATGCCAGCA	1736	
Db	117	CTGTCTCTGACCCCTCAAGGGCACAGGTCACAGGTGGCCACACATATACACACAGGCA	58	
QY	1737	AATGATTTCATCCATACATATGAATTAACCATATAACAGAAAAAAGGAA	1788	
Db	57	AAATATCTATGCTAGAAATAAATCTTTTAAAAATGGAAAAAAGGAAAAA	6	

RESULT 12

US-10-175-523-67
Sequence 67, Application US/10175523
Publication No. US20030096264A1
GENERAL INFORMATION:
APPLICANT: Brockman, Jeffrey
APPLICANT: Evans, David
APPLICANT: Hook, Derek
APPLICANT: Klimczak, Leszek
APPLICANT: Laeng, Pascal
APPLICANT: Palfreyman, Michael
APPLICANT: Rajan, Priithi
TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
FILE REFERENCE: 3235/11795-US3
CURRENT APPLICATION NUMBER: US/10/175-523
CURRENT FILING DATE: 2002-06-18

Tue Jun 17 12:27:06 2003

PRIOR APPLICATION NUMBER: US 60/299,151
PRIOR FILING DATE: 2001-06-18
PRIOR APPLICATION NUMBER: US 60/317,828
PRIOR FILING DATE: 2001-09-07
PRIOR APPLICATION NUMBER: US 60/325,150
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US 60/333,047
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: US 60/349,936
PRIOR FILING DATE: 2002-01-18
PRIOR APPLICATION NUMBER: US 60/361,834
PRIOR FILING DATE: 2002-03-04
NUMBER OF SEQ ID NOS: 197
SOFTWARE: PatentIn version 3.1
SEQ ID NO 67
LENGTH: 74868
TYPE: DNA
ORGANISM: Mus musculus
US-10-175-523-67

Query Match 3.9%; Score 78; DB 9; Length 74868;
Best Local Similarity 61.9%; Pred. No. 9.9e-08;
Matches 140; Conservative 0; Mismatches 85; Indels 1; Gaps 1;

QY 1555 GATGGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTCTTCAGAGGACCTAGGTTCA 1614
DB 1210 GCTAGAAAGATGACTCAGCTGTTAAAGCATTTGGATGCTCTTCAGGGGACTCGAGTTG 1269
QY 1615 AGTCTGGCACTCAGA-GGTGGCTCAACATCTGTGACTTCCAGTTCAGTTCAGGGGATCTGA 1673
DB 1270 GTTTCAGCATTCGCATGGTGAGCTTAGAACAATTCATCACTCCAGTTCTAGGGGATCTGA 1329
QY 1674 AGAATCTTCTGGCTCCATGGGCATCAACTACACATCTGTTTCATAGACATACATGCCA 1733
DB 1330 TGCTCTCTCTGGCTCCATAGGTATTACCCATACGAGTGCACAGACACAGACATACAT 1389
QY 1734 GCAATGATTCATCCATACATATGAATAAACCAACAAACAGAAAAA 1779
DB 1390 GCAGGCAAGACCCAGACATGATCAATGAATACAAATTTATTTTAAAGA 1435

RESULT 13
US-10-026-188-3
Sequence 3, Application US/10026188
Patent No. US200201645A1
GENERAL INFORMATION:
APPLICANT: Zuker, Charles S.
APPLICANT: Zhang, Yifeng
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Assays for Taste Receptor Cell Specific
TITLE OF INVENTION: Ion Channel
FILE REFERENCE: 02307E-114910US
CURRENT APPLICATION NUMBER: US/10/026,188
CURRENT FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: US 60/259,379
PRIOR FILING DATE: 2000-12-29
NUMBER OF SEQ ID NOS: 8
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 249487
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
OTHER INFORMATION: mouse genomic region containing ltrpc5
US-10-026-188-3

Query Match 3.8%; Score 76.2; DB 9; Length 249487;
Best Local Similarity 64.9%; Pred. No. 5.5e-07;
Matches 150; Conservative 0; Mismatches 68; Indels 13; Gaps 2;

QY 1555 GATGGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTCTTCAGAGGACCTAGGTTCA 1614
DB 150113 CATAGAGCCATGACTCAATGACTAAGACGACTGGCTGTTCTTCAAGGGGACCTGGATTC 150172

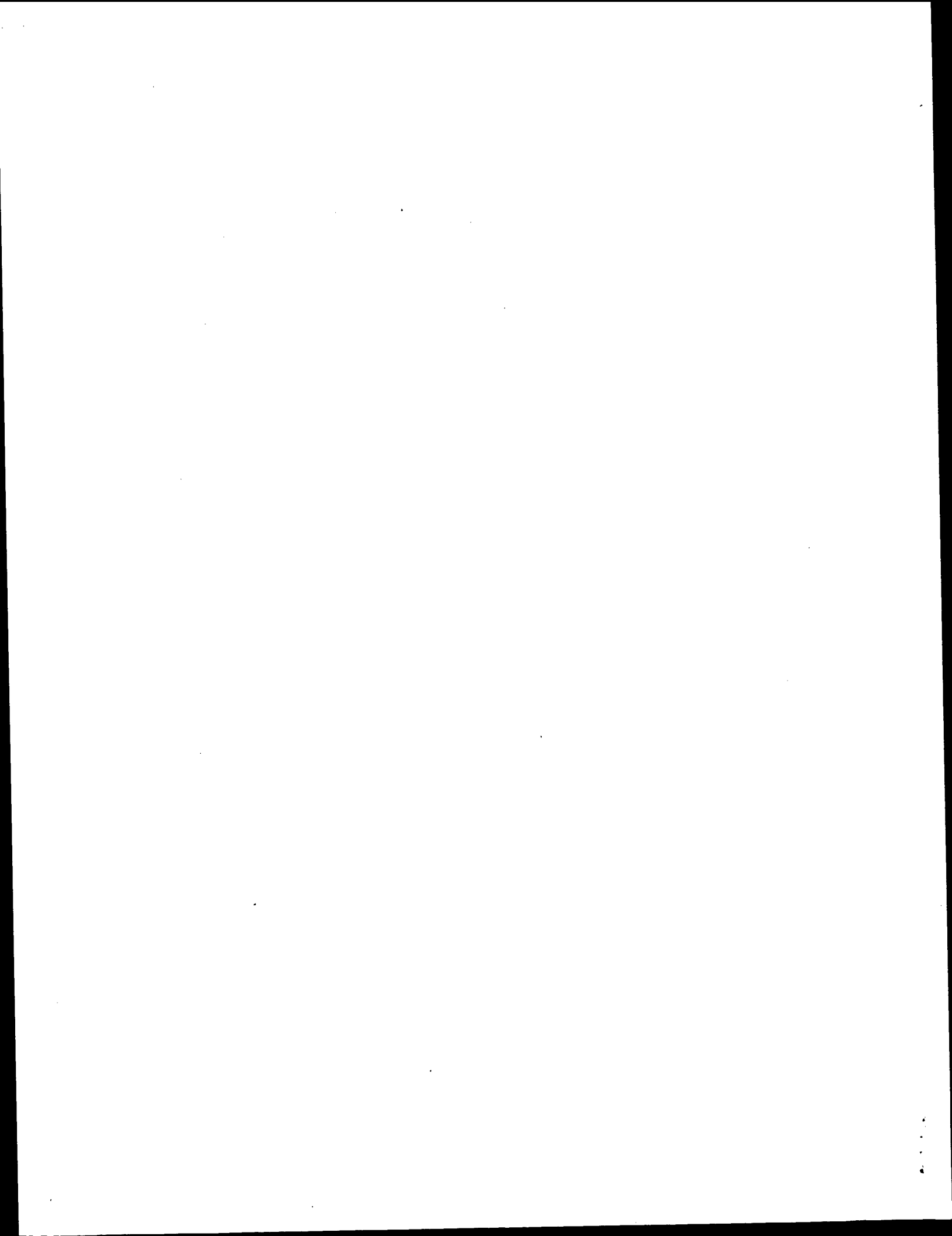
QY 1615 AGTCTGGCACTCAGA-GGTGGCTCAACATCTGTGACTTCCAGTTCAGTTCAGGGGATCTGA 1673
DB 150173 TTTCCAGCAGCTCAGATGGCAGCTCACAACACCTGTAACCTCAGTTCAGGAGATCTGA 150232
QY 1674 AGAATCTTCTGGCTCCATGGGCATCAACTACACATCTGTTTCATAGACATACATGCCA 1733
DB 150233 AGCTCTCATATGCTTCCATTGSCA-----CTGGTGTGCAGACATGTATGCAG 150280
QY 1734 GCAATGATTCATCCATACATATGAATAAACCAACAAACAGAAAAA 1784
DB 150281 ACAAAACACCTATATACATAAAATAGTTAAAAAATAATTAGGCAAAATAA 150331

RESULT 14
US-10-175-523-87/c
Sequence 87, Application US/10175523
Publication No. US20030096264A1
GENERAL INFORMATION:
APPLICANT: Brockman, Jeffrey
APPLICANT: Evans, David
APPLICANT: Hook, Derek
APPLICANT: Klimczak, Leszek
APPLICANT: Laeng, Pascal
APPLICANT: Palfreyman, Michael
APPLICANT: Rajan, Prithi
TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
FILE REFERENCE: 3235/LJ795-US3
CURRENT APPLICATION NUMBER: US/10/175,523
CURRENT FILING DATE: 2002-06-18
PRIOR APPLICATION NUMBER: US 60/299,151
PRIOR FILING DATE: 2001-06-18
PRIOR APPLICATION NUMBER: US 60/317,828
PRIOR FILING DATE: 2001-09-07
PRIOR APPLICATION NUMBER: US 60/325,150
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US 60/333,047
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: US 60/349,936
PRIOR FILING DATE: 2002-01-18
PRIOR APPLICATION NUMBER: US 60/361,834
PRIOR FILING DATE: 2002-03-04
NUMBER OF SEQ ID NOS: 197
SOFTWARE: PatentIn version 3.1
SEQ ID NO 87
LENGTH: 130427
TYPE: DNA
ORGANISM: Mus musculus
US-10-175-523-87

Query Match 3.7%; Score 73.8; DB 9; Length 130427;
Best Local Similarity 60.1%; Pred. No. 1.5e-06;
Matches 140; Conservative 0; Mismatches 92; Indels 1; Gaps 1;

QY 1558 GGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTTCAGAGGACCTAGTTCAGT 1617
DB 104622 GGTGAGATGACTCAATGGTTAAGATCACATTTCTGCTCTTTCCAGGACTGGGGTTAGTT 104563
QY 1618 CCTGGCACTCAGGTTGGCTCACAATCTGTGACTTCCAGTTCAGTTCAGGGATCTGAAGAA 1677
DB 104562 CTCTGCCACATA-GTGGCTTGAATCCCGTGTGATTCGCGTTCCAGGAAATCTGACACC 104504
QY 1678 TTCTTCTGGCTCCATGGGCATCACTACACATCTGTTTCATAGACATACATGCCAGCA 1737
DB 104503 CTTTACTTCCCTTCAGACACAGCAATTCACAAAGTGAACATGTAAGCATCTGCTGTA 104444
QY 1738 ATGATTGATCCATACATATGAATAAACCAACAGAAAAAAGGAAGG 1790
DB 104443 AACACTCATCCACATAAAATAATAATCTTAAAAAACAACAAACAGAAAG 104391

RESULT 15
US-09-771-208-20



GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:37:06 ; Search time 48.8991 Seconds
(without alignments)
5794.976 Million cell updates/sec

Title: US-09-445-201-1_COPY_6036_6959
Perfect score: 924
Sequence: 1 gaagttcaaacaccgaatgt.....tgccacgcgcaggtgcagg 924

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents.NA.*

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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	ID	Description
1	169	18.3	5470	2	US-08-443-861-1
2	169	18.3	5470	4	US-08-193-829B-1
3	154.6	16.7	5406	1	US-07-813-593-3
4	154.6	16.7	5406	1	US-07-977-451-5
5	154.6	16.7	5406	1	US-07-946-507-3
6	154.6	16.7	5406	1	US-08-252-517-5
7	154.6	16.7	5406	1	US-07-906-397A-5
8	154.6	16.7	5406	1	US-08-601-891-5
9	154.6	16.7	5406	2	US-09-021-324-5
10	154.6	16.7	5406	5	PCT-US92-02750-7
11	154.6	16.7	5406	5	PCT-US92-05401-5
12	154.6	16.7	5406	5	PCT-US92-09893-5
13	70.6	7.6	2264	1	US-08-232-538-16
14	40	4.3	1120	3	US-08-786-164-16
15	40	4.3	3937	3	US-08-586-165-1
16	40	4.3	7812	4	US-09-368-590-1
17	39	4.2	1026	1	US-07-975-526-6
18	39	4.2	1026	4	US-07-974-409C-428
19	39	4.2	1026	6	5352575-6
20	37.4	4.0	1053	6	5352575-6
21	36.6	4.0	1022	4	US-09-072-596-325
22	36	3.9	1641	1	US-08-385-229-1
23	36	3.9	1641	1	US-08-650-000-1
24	36	3.9	1641	6	5395760-1
25	36	3.9	2224	4	US-08-477-347-2
26	36	3.9	2224	4	US-08-476-862-1
27	36	3.9	3683	4	US-09-844-634-3

28	35.4	3.8	8438	1	US-07-945-283-1
29	35.4	3.8	4411529	4	US-09-103-840A-1
30	35	3.8	7898	4	US-08-984-709A-49
31	34.8	3.8	3564	4	US-09-347-878-15
32	34.6	3.7	2010	4	US-09-240-410-1
33	34.4	3.7	17606	4	US-08-943-731-4
34	34.2	3.7	1028	4	US-08-118-200-1
35	34.2	3.7	1028	4	US-08-458-745-1
36	33.6	3.6	4403765	4	US-09-103-840A-2
37	33.4	3.6	303	4	US-08-556-978B-82
38	33.4	3.6	3332	4	US-09-423-890-11
39	33.2	3.6	3978	3	US-08-726-214-1
40	33.2	3.6	17041	1	US-08-076-011-1
41	32.8	3.5	3486	4	US-09-438-906-1
42	32.8	3.5	3486	4	US-09-438-906-3
43	32.8	3.5	31571	1	US-08-323-443B-1
44	32.6	3.5	4403765	4	US-09-103-840A-2
45	32.4	3.5	2538	3	US-08-899-437-1

ALIGNMENTS

RESULT 1
US-08-443-861-1
; Sequence 1, Application US/08443861
; Patent No. 5851999
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Risau, Werner
; APPLICANT: Millauner, Birgit
; APPLICANT: Gazit, Aviv
; APPLICANT: Levitzki, Alex
; TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular
; TITLE OF INVENTION: Endothelial Growth Factor
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/443,861
; FILING DATE: 22-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/193,829
; FILING DATE: 09-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-060
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5470 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 286..4386

Sequence 1, Appli
Sequence 1, Appli
Sequence 49, Appli
Sequence 15, Appli
Sequence 1, Appli
Sequence 4, Appli
Sequence 1, Appli
Sequence 2, Appli
Sequence 82, Appli
Sequence 11, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 3, Appli
Sequence 1, Appli
Sequence 2, Appli
Sequence 1, Appli

[illegible]

```

RESULT 2
US-08-193-829B-1
: Sequence 1, Application US/08193829B
: Patent No. 6177401
: GENERAL INFORMATION:
: APPLICANT: Ullrich, Axel
: APPLICANT: Risau, Werner
: APPLICANT: Millauer, Birgit
: APPLICANT: Gazit, Aviv
: APPLICANT: Levitzki, Alex
: TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular
: TITLE OF INVENTION: Endothelial Growth Factor
: NUMBER OF SEQUENCES: 6
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Pennie & Edmonds
: STREET: 1155 Avenue of the Americas
: CITY: New York
: STATE: New York
: COUNTRY: U.S.A.
: ZIP: 10036-2711
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08193,829B
: FILING DATE: 09-FEB-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Coruzzi, Laura A.
: REGISTRATION NUMBER: 30,742
: REFERENCE/DOCKET NUMBER: 7683-060
: TELECOMMUNICATION INFORMATION:
: * TELEPHONE: (212)790-9090
: * TELEFAX: (212)869-9741
: * TELEX: 66141 PENNIE
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 5470 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: unknown
: TOPOLOGY: unknown
: MOLECULE TYPE: DNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 286..4386
:
: US-08-193-829B-1
Query Match 18.3% Score 169: DB 4: Leng

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RESULT 6
US-08-252-517-5
, Sequence 5, Application US/08252517
, Patent No. 5548065
, GENERAL INFORMATION:
, APPLICANT: Lemischka, Ihor R.
, TITLE OF INVENTION: TOTIPOTENT
, TITLE OF INVENTION: RECEPTORS A
, NUMBER OF SEQUENCES: 10
, CORRESPONDENCE ADDRESS:
, ADDRESSEE: ImClone Systems Inc
, STREET: 180 Varick Street
, CITY: New York
, STATE: New York

```

Query Match	16.7%	Score 154.6	DB 1	Length 5406
Best Local Similarity	96.2%	Pred. No. 3.5e-32		
Matches 201	Conservative	Mismatches 0	Indels 4	Gaps 4
QY	718	CTGTGTCCGCGACCGGGATAACCTGGCTGACCCCGATTCGCGGACACCCCTGCAGCCG	777	
db	1	CTGTGTCCGCGACGCC-GGATAACCTGGCTGACCCGATTCGCGGACACCCGTGCAGCCGC	59	

APPLICANT: IMCONE SYSTEMS INCORPORATED
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImClone Systems Incorporated
STREET: 180 Varlock Street
CITY: New York
STATE: New York

Tue Jun 17 12:27:18 2003

```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-7P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 265..4308
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 208..264
; US-08-601-891-5

Query Match 16.7%; Score 154.6; DB 1; Length 5406;
Best Local Similarity 96.2%; Pred. No. 3.5e-32;
Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

QY 718 CTGTGTCCTCCGAGCGGCGGATTAACCTGCTGACCGGATTCCCGGACACCGCTGCAGCGCG 777
DB 1 CTGTGTCCTCCGAGCGGCGGATTAACCTGCTGACCGGATTCCCGGACACCGCTGCAGCGCG 59

QY 778 GGCTGGAGCCAGGCGCGGCTGCGCGCGGCTCTCCCGGCTCTTCCGCTGCGGGGCGCAT 837
DB 60 GGCTGGAGCCAGGCGCGGCTGCGCGCGGCTCTCCCGGCTCTTCCGCTGCGGGGCGCAT 118

QY 838 ACCGCTCTGTGACTTCTTTGGCGGCGGAGGAGGAGTCTGTGCCTGAG-AACT 896
DB 119 ACCGCTCTGTGACTTCTTTGGCGGCGGAGGAGGAGTCTGTGCCTGAGAACT 178

QY 897 GGGCTCTGTGCCCA-GCGCGAGGTGCAGG 924
DB 179 GGGCTCTGTGCCCGAGCGCGGAGGTGCAGG 207

RESULT 9
US-09-021-324-5
; Sequence 5, Application US/09021324
; Patent No. 5912133
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ibor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/021,324
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: US/07/977,451
; FILING DATE: 1992-11-19
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/906,397
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: TW 81102961
; FILING DATE: 15-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/02750
; FILING DATE: 02-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/813,593
; FILING DATE: 24-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/793,065
; FILING DATE: 15-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/728,913
; FILING DATE: 28-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-7P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-2054
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 265..4308
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 208..264
; US-09-021-324-5
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Query Match 16.7%; Score 154.6; DB 2; Length 5406;
Best Local Similarity 96.2%; Pred. No. 3.5e-32;
Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

QY 718 CTGTGTCCTCCGAGCGGCGGATTAACCTGCTGACCGGATTCCCGGACACCGCTGCAGCGCG 777
DB 1 CTGTGTCCTCCGAGCGGCGGATTAACCTGCTGACCGGATTCCCGGACACCGCTGCAGCGCG 59

QY 778 GGCTGGAGCCAGGCGCGGCTGCGCGCGGCTCTCCCGGCTCTTCCGCTGCGGGGCGCAT 837
DB 60 GGCTGGAGCCAGGCGCGGCTGCGCGCGGCTCTCCCGGCTCTTCCGCTGCGGGGCGCAT 118

QY 838 ACCGCTCTGTGACTTCTTTTCGCGGCGGAGGAGGAGTCTGTGCCTGAG-AACT 896
DB 119 ACCGCTCTGTGACTTCTTTTCGCGGCGGAGGAGGAGTCTGTGCCTGAGAACT 178
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Db 119 ACCGCTCTGTGACTTCTTTTCGGCGCCAGGAGGAGGAGTCTGTGCTCGAGAACT 178
QY 897 GGGCTCTGTGCCA-GCGCGAGGTGCAGG 924
Db 179 GGGCTCTGTGCCAGCGCCGAGGTGCAGG 207

RESULT 10

PCT-US92-02750-7
; Sequence 7, Application PC/TUS9202750
; GENERAL INFORMATION:
; APPLICANT: LEMISCHKA, IHOR R.
; TITLE OF INVENTION: Totipotent Hematopoietic Stem Cell
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCLONE SYSTEMS INCORPORATED
; STREET: 180 VARICK STREET
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: US
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/02750
; FILING DATE: 19920402
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: FEIT, IRVING N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-PPPT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; NAME/KEY: mat_peptide
; LOCATION: 208..4308
PCT-US92-02750-7

Query Match 16.7%; Score 154.6; DB 5; Length 5406;
Best Local Similarity 96.2%; Pred. No. 3.5e-32;
Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

QY 718 CTGTGTCGGCAGCGCGGATAACCTGCTGACCCGATTCGCGGACACCGCTGCAGCGC 777
Db 1 CTGTGTCGGCAGCGC-GGATAACCTGCTGACCCGATTCGCGGACACCGCTGCAGCGC 59
QY 778 GGTGAGCAGCGCGCGGTCTTTTCGGCGCCAGGAGGAGTCTGTGCGTTCGGGGCGCAT 837
Db 60 GGTGAGCAGCGCGCGGTG-CCGCGCTCTCCCGGTCTTTGCGCTGCGGGGCGCAT 118
QY 838 ACCGCTCTGTGACTTCTTTTCGGCGCCAGGAGGAGTCTGTGCTGAG-AACT 896
Db 119 ACCGCTCTGTGACTTCTTTTCGGCGCCAGGAGGAGTCTGTGCTGAG-AACT 896
QY 897 GGGCTCTGTGCCCCA-GCGCGAGGTGCAGG 924
Db 179 GGGCTCTGTGCCCCAGCGCGGAGGTGCAGG 207

RESULT 12

PCT-US92-09893-5
; Sequence 5, Application PC/TUS9209893
; GENERAL INFORMATION:
; APPLICANT: LEMISCHKA, IHOR R.

RESULT 11

PCT-US92-05401-5
; Sequence 5, Application PC/TUS9205401
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCLONE SYSTEMS INCORPORATED
; STREET: 180 VARICK STREET
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/05401
; FILING DATE: 19920626
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-PPPT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; NAME/KEY: mat_peptide
; LOCATION: 208..4308
PCT-US92-05401-5

Query Match 16.7%; Score 154.6; DB 5; Length 5406;
Best Local Similarity 96.2%; Pred. No. 3.5e-32;
Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

QY 718 CTGTGTCGGCAGCGCGGATAACCTGCTGACCCGATTCGCGGACACCGCTGCAGCGC 777
Db 1 CTGTGTCGGCAGCGC-GGATAACCTGCTGACCCGATTCGCGGACACCGCTGCAGCGC 59
QY 778 GGTGAGCAGCGCGCGGTCTTTTCGGCGCCAGGAGGAGTCTGTGCGTTCGGGGCGCAT 837
Db 60 GGTGAGCAGCGCGCGGTG-CCGCGCTCTCCCGGTCTTTGCGCTGCGGGGCGCAT 118
QY 838 ACCGCTCTGTGACTTCTTTTCGGCGCCAGGAGGAGTCTGTGCTGAG-AACT 896
Db 119 ACCGCTCTGTGACTTCTTTTCGGCGCCAGGAGGAGTCTGTGCTGAG-AACT 896
QY 897 GGGCTCTGTGCCCCA-GCGCGAGGTGCAGG 924
Db 179 GGGCTCTGTGCCCCAGCGCGGAGGTGCAGG 207

RESULT 12

PCT-US92-09893-5
; Sequence 5, Application PC/TUS9209893
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.

us-09-445-201-1_copy_6036_6959.rni

Tue Jun 17 12:27:18 2003

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; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/09893
; FILING DATE: 19921116
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-7PT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 265..4308
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 208..264
; PCT-US92-09893-5
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; Query Match 16.7%; Score 154.6; DB 5; Length 5406;
; Best Local Similarity 96.2%; Pred. No. 3.5e-32;
; Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;
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; QY 718 CTGTGTCGGAGCGCGCGGTGTCCTCCCGGTCTTCCCGTGGCGGGGCGCAT 837
; Db 1 CTGTGTCGGAGCGCGCGGTGTCCTCCCGGTCTTCCCGTGGCGGGGCGCAT 118
; QY 778 GGCTGGAGCCAGGCGCGGTGTCCTCCCGGTCTTCCCGTGGCGGGGCGCAT 837
; Db 60 GGCTGGAGCCAGGCGCGGTGTCCTCCCGGTCTTCCCGTGGCGGGGCGCAT 118
; QY 838 ACCGCCCTCTGTGACTCTTTTCCGGGCGCAGGACGAGAGTCTGTGCTGAG-AACT 896
; Db 119 ACCGCCCTCTGTGACTCTTTTCCGGGCGCAGGACGAGAGTCTGTGCTGAGAACT 178
; QY 897 GGGCTCTGTGCCA-GCCCGAGGTGCAGG 924
; Db 179 GGGCTCTGTGCCAGGCGCGAGGTGCAGG 207
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; RESULT 13
; US-08-232-538-16
; Sequence 16, Application US/08232538
; Patent No. 5712380
; GENERAL INFORMATION:
; APPLICANT: THOMAS, KENNETH A.
; APPLICANT: KENDALL, RICHARD L.
; TITLE OF INVENTION: INHIBITOR OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: CELL GROWTH FACTOR
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
;
; APPLICANT: Thomas, Kenneth A.
; APPLICANT: Kendall, Richard L.
; TITLE OF INVENTION: INHIBITOR OF VASCULAR ENDOTHELIAL CELL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000 126 E. Lincoln Avenue
; CITY: Rahway
; STATE: NJ
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,538
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Wallen, John W.III
; REGISTRATION NUMBER: 35,403
; REFERENCE/DOCKET NUMBER: 188881A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3905
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2264 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-232-538-16
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; Query Match 7.6%; Score 70.6; DB 1; Length 2264;
; Best Local Similarity 63.9%; Pred. No. 9.3e-10;
; Matches 140; Conservative 0; Mismatches 74; Indels 5; Gaps 2;
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; QY 711 GCCGACACTGTGTCCGCGAGCGCGGATACCTGGCTGACCCGATTCGCGGACACCGCTG 770
; Db 51 GCAGAAAGTCCGTCTGGCAGCTGTGATATCTCTCTACCGGCACCGCAGCGCCCTG 110
; QY 771 CAGCCGCGCTGGAGCCAGGCGCGGTGCGCCGCGCTCTCCCGGTCTTTCGCTGCGG 830
; Db 111 CAGCCGCGGTGCGCGCGCGGCTCCCTAGCCCTGTGGGCTCAACTGTCTGCGCTGCGG 170
; QY 831 G---GGCATACCGCTCTGTGACTTCTTTGGGGCCAGGAGGAGAGTCTGTG 886
; Db 171 GTGCGCGGAGTTCCACCTCCGCGCTCTTCTCTAGACAGCGCTGGGAGAACCGG 230
; QY 887 CCTGAGAAGT-GGGCTCTGTGCGCGAGCGGAGGTGCAGG 924
; Db 231 CTCCCGAGTTCCGGCATTTCCCGCGGCTCGAGGTGCAGG 269
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; RESULT 14
; US-08-786-164-16
; Sequence 16, Application US/08786164
; Patent No. 5861484
; GENERAL INFORMATION:
; APPLICANT: THOMAS, KENNETH A.
; APPLICANT: KENDALL, RICHARD L.
; TITLE OF INVENTION: INHIBITOR OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: CELL GROWTH FACTOR
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ

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; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: Microsoft Word 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/786,164
; FILING DATE: 21-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark Hand, J
; REGISTRATION NUMBER: 36,545
; REFERENCE/DOCKET NUMBER: 18888DA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-594-3905
; TELEFAX: 908-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2264 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; US-08-786-164-16

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Query Match      7.6%; Score 70.6; DB 2; Length 2264;
Best Local Similarity 63.9%; Pred. No. 9.3e-10;
Matches 140; Conservative 0; Mismatches 74; Indels 5; Gaps 2;

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QY 711 GCCAGACTGTCTCCCGACGGCGGATACCTGGTGACCGGATTCCCGCGACACCGCTG 770
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QY 771 CAGCCGCGGCTGGAGCCAGGCGCGGTGCCCCCGGCTCTCCCGGCTCTTGGCGTTCGCGG 830
DB 111 CAGCGCGGCTGGCGCGCGGCTCTTACGCTCTGCGCTCAACTGTCTGCGTTCGCGG 170
QY 831 G----GCCATACCGCTCTGTGACTCTTTTGGCGGCGCAGGACGAGAGAGAGTCTGTG 886
DB 171 GTCCGCGGAGGTTCACCTCCCGGCTCTCTCTAGACAGCGCTGGGAGAAAGACCGG 230
QY 887 CTGAGAACT--GGGCTCTGTGCCCGACGCGAGGTGCGAGG 924
DB 231 CTCCCGAGTTCGGGCAATTTCGCCGCGGCTCGAGGTGCGAGG 269

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RESULT 15

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US-08-586-165-1/c
; Sequence 1, Application US/08586165
; Patent No. 6054298
; GENERAL INFORMATION:
; APPLICANT: Laufer, Edward M.
; APPLICANT: Orozco, Olivia E.
; APPLICANT: Tabin, Clifford J.
; TITLE OF INVENTION: Fringe Proteins and Pattern Formation
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: US
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/586,165
; FILING DATE: 16-JAN-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: HU95-05
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1120 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: join(1..240, 244..474, 478..531, 538..579, 583
; LOCATION: ..678, 682..687, 691..807, 811..843, 850..870,
; LOCATION: 874..990, 994..1056, 1060..1083, 1087..1104, 1108
; US-08-586-165-1

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Query Match      4.3%; Score 40; DB 3; Length 1120;
Best Local Similarity 51.7%; Pred. No. 0.12;
Matches 91; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

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QY 808 TCTCCCGGCTCTTTCGCTGCGGCGCGCATACCGCTCTGTGACTTCTTTGCGGCGCAG 867
DB 188 CGGCGACGTCTGCTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 129
QY 868 GACGAGAGAGTCTGTGCTTGAGAACTGGGCTCTGTGCGCCAGCGCGAGGTGCGAG 923
DB 128 CGGCGCGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 73

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Job time : 55.8991 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:47:07 ; Search time 125.274 Seconds
(without alignments)
10680.673 Million cell updates/sec

Title: US-09-445-201-1_COPY_6036_6959

Perfect score: 924

Sequence: 1 gaagttcacacacgaatgt.....tgccagcgaggtgcagg 924

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Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Published_Applications_NA:*

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	169	18.3	5470	9	US-09-967-655-10
3	169	18.3	5470	10	US-09-766-678-1
4	154.6	16.7	5406	10	US-09-919-408-5
5	154.6	16.7	5406	10	US-09-872-136-5
6	110	11.9	1267	9	US-09-967-655-17
7	71.4	7.7	5830	9	US-09-967-655-3
8	37.6	4.1	2481	9	US-10-121-988-35
9	37.6	4.1	2481	9	US-09-894-998-35
10	37.6	4.1	3066	9	US-10-121-988-152
11	37.4	4.0	449	10	US-09-864-761-10271
12	37.2	4.0	40433	10	US-09-880-107-3327
13	36.8	4.0	1523	9	US-10-184-634-290
14	36.8	4.0	1523	9	US-10-184-634-290
15	36.6	4.0	3784	9	US-09-764-891-10015
16	36.6	4.0	3784	9	US-09-764-891-10015
17	36.2	3.9	11103	9	US-10-094-240-23
18	36	3.9	1641	9	US-10-252-408-1
19	36	3.9	1641	10	US-09-758-124-1

c 20	36	3.9	2224	10	US-09-800-909-1	Sequence 1, Appli
c 21	36	3.9	2224	10	US-09-800-908-2	Sequence 2, Appli
c 22	36	3.9	3683	9	US-09-902-176A-49	Sequence 49, Appl
c 23	36	3.9	3683	9	US-09-902-176A-51	Sequence 51, Appl
c 24	36	3.9	3683	9	US-09-902-176A-53	Sequence 53, Appl
c 25	36	3.9	3683	10	US-09-954-456-1187	Sequence 1187, Ap
c 26	34.8	3.8	5035	9	US-10-171-581-173	Sequence 173, App
c 27	34.6	3.7	2010	10	US-09-764-587A-1	Sequence 1, Appli
c 28	34.6	3.7	2636	10	US-09-836-077-1	Sequence 1, Appli
c 29	34.6	3.7	3388	9	US-10-037-270-369	Sequence 369, App
c 30	34.6	3.7	4372	9	US-09-796-679-4	Sequence 4, Appli
c 31	34.6	3.7	5856	10	US-09-836-077-34	Sequence 34, Appl
c 32	34.6	3.7	7000	10	US-09-836-077-37	Sequence 37, Appl
c 33	34.6	3.7	7108	10	US-09-836-077-38	Sequence 38, Appl
c 34	34.6	3.7	7475	10	US-09-836-077-35	Sequence 35, Appl
c 35	34.6	3.7	8192	10	US-09-836-077-36	Sequence 36, Appl
c 36	34.4	3.7	471	9	US-09-918-995-26044	Sequence 26044, A
c 37	34.4	3.7	2793	9	US-10-007-271-3	Sequence 3, Appli
c 38	34.4	3.7	3282	9	US-10-007-271-1	Sequence 1, Appli
c 39	34.2	3.7	2236	9	US-09-978-295A-399	Sequence 399, App
c 40	34.2	3.7	2236	9	US-09-978-697-399	Sequence 399, App
c 41	34.2	3.7	2236	9	US-09-978-192A-399	Sequence 399, App
c 42	34.2	3.7	2236	9	US-09-999-832A-399	Sequence 399, App
c 43	34.2	3.7	2236	9	US-09-978-189-399	Sequence 399, App
c 44	34.2	3.7	2236	9	US-10-028-072-381	Sequence 381, App
c 45	34.2	3.7	2236	9	US-10-121-049-381	Sequence 381, App

ALIGNMENTS

RESULT 1

US-09-738-968-32
; Sequence 32, Application US/09738968
; Patent No. US20010037016A1
; GENERAL INFORMATION:
; APPLICANT: Contag, Pamela R.
; APPLICANT: Purchio, Anthony
; APPLICANT: Zhang, Ning
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR SCREENING FOR ANGIOGENESIS
; TITLE OF INVENTION: MODULATING COMPOUNDS
; FILE REFERENCE: 9400-0012.20
; CURRENT APPLICATION NUMBER: US/09738,968
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 09/465,978
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 4487
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-738-968-32

Query Match	98.4%;	Score	909.4;	DB 10;	Length	4487;	
Best Local Similarity	99.8%;	Pred. No.	3.2e+281;				
Matches	921;	Conservative	0;	Mismatches	1;	Gaps	1;
Y	1	GAAGTTCAACACCGAAATGTCTTCTAGGGCTAATCAGGTAAC	60				
b	3563	GGAGTTCAACACCGAAATGTCTTCTAGGGCTAATCAGGTAAC	3622				
Y	61	CCAGATGGACGAGAAACAGTAGAGCGCTTGGCAACTTGGAT	120				
b	3623	CCAGATGGACGAGAAACAGTAGAGCGCTTGGCAACTTGGAT	3682				
Y	121	TTAAACATTCAGACGGGGGGGATGCGGTGGCCAAAGCACCAT	180				
b	3683	TTAAACATTCAGACGGGGGGGATGCGGTGGCCAAAGCACCAT	3742				
Y	181	AAGTACTGACCACTCACTGCAAGTTTGTCCCGGAGTACATCT	240				
b	3743	AAGTACTGACCACTCACTGCAAGTTTGTCCCGGAGTACATCT	3801				

Best Local Similarity 98.2%; Pred. No. 1.le-43;
Matches 213; Conservative 0; Mismatches 0; Indels 4; Gaps 4;
QY 711 GCCCAGACTGTGTCCCGCAGCGCGGATTAACCTGGCTGACCCGCGGACACCGCTG 770
Db 70 GCCCAGACTGTGTCCCGCAGCGCGGATTAACCTGGCTGACCCGCGGACACCGCTG 129
QY 771 -CAGCCCGGCTGGAGCCAGCGCGGCTGCCCCCGCTCTCCCCGGTCTTTCGGCTGGCG 829
Db 130 ACAGCGCGGCTGGAGCCAGCGCGGCTGCCCCCGCTCTCCCCGGTCTTTCGGCTGGCG 189
QY 830 GGGCCATACACCGCTCTGTGACTTCTTTCGGCGGCGAGGACGAGAGAGTCTGTGCT 889
Db 190 GGGC -CATACCGCTCTGTGACTTCTTTCGGCGGCGAGGACGAGAGAGTCTGTGCT 248
QY 890 GAG-AACCTGGCTCTGTGCCA-GCGCGAGGTGCAGG 924
Db 249 GAGAACTGGCTCTGTGCCAAGGCGGAGGTGCAGG 285
RESULT 3
US-09-766-678-1
; Sequence 1, Application US/09766678
; Patent No. US20020081650A1
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; Rissau, Werner
; Millauer, Birgit
; Gazit, Aviv
; Levitzki, Alex
; TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular
; Endothelial Growth Factor
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/766,678
; FILING DATE: 25-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/193,829
; FILING DATE: 09-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-060
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5470 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 286..4386
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-766-678-1

241 GTCTTCAATGCTCCCAATGCGGGGGGATTTTGTGCTCCCTTGGGACTTTCAGTGCAGCGG 300
Db 3802 GTCCTTCAATGCTCCCAATGCGGGGGGATTTTGTGCTCCCTTGGGACTTTCAGTGCAGCGG 3861
QY 301 GAAGAGAGTCTGCACTTTCAGAGTCCCTAATGAGGGCGCAGTGGGCCCTGCTTCTGCT 360
Db 3862 GAAGAGAGTCTGCACTTTCAGAGTCCCTAATGAGGGCGCAGTGGGCCCTGCTTCTGCT 3921
QY 361 GATGCTTCCAGGTTGCTGGGGGAGCAAGTGTCTCAGAGCCCATTAAGTGGCTACATTT 420
Db 3922 GATGCTTCCAGGTTGCTGGGGGAGCAAGTGTCTCAGAGCCCATTAAGTGGCTACATTT 3981
QY 421 ACTTCACAGAAACCGAGCTCGCTCCAGATTTGCTCAGATGCGACTTGCCTGCCCGGCG 480
Db 3982 ACTTCACAGAAACCGAGCTCGCTCCAGATTTGCTCAGATGCGACTTGCCTGCCCGGCG 4041
QY 481 ACAGTTCCGGGGTAGTGGGGGAGTGGGGCTGGGAAACCGGAAACCCAAACCTGGTATCC 540
Db 4042 ACAGTTCCGGGGTAGTGGGGGAGTGGGGCTGGGAAACCGGAAACCCAAACCTGGTATCC 4101
QY 541 AGTGGGGGGGCTGGCGGAGCAGGAGTCCCGACCCCTCCCGGTAATGACCCCGCGCCCG 600
Db 4102 AGTGGGGGGGCTGGCGGAGCAGGAGTCCCGACCCCTCCCGGTAATGACCCCGCGCCCG 4161
QY 601 ATTGCTGTAGTGTAGCGCGGCTCTCTTTCTGCCCTGAGTCTCAGGACCCCAAGAG 660
Db 4162 ATTGCTGTAGTGTAGCGCGGCTCTCTTTCTGCCCTGAGTCTCAGGACCCCAAGAG 4221
QY 661 TAAGCTGTGTTCTTAGATGCGCGGAGCGCTACCGGAGGACTGAAAGCCCAAGACTG 720
Db 4222 TAAGCTGTGTTCTTAGATGCGCGGAGCGCTACCGGAGGACTGAAAGCCCAAGACTG 4281
QY 721 TGTCCTCCAGCGGGGATTAACCTGGCTGACCCGATTCGCGGACACCCCTGCGCGCGG 780
Db 4282 TGTCCTCCAGCGGGGATTAACCTGGCTGACCCGATTCGCGGACACCCCTGCGCGCGG 4341
QY 781 TGGAGCCAGGCGCGGCTGCGCGGCTCTCCCGGCTTTCGCTGCGGGGCGCATACC 840
Db 4342 TGGAGCCAGGCGCGGCTGCGCGGCTCTCCCGGCTTTCGCTGCGGGGCGCATACC 4401
QY 841 GCCTCTGTGACTTCTTTCGGGGGCGGAGGAGTCTGCTGCTGAGACTGGG 900
Db 4402 GCCTCTGTGACTTCTTTCGGGGGCGGAGGAGTCTGCTGCTGAGACTGGG 4461
QY 901 TCTGTGCCCGAGCGGAGTGCAG 923
Db 4462 TCTGTGCCCGAGCGGAGTGCAG 4484
RESULT 2
US-09-967-655-10
; Sequence 10, Application US/09967655
; Publication No. US20030092649A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: RTS-0227
; CURRENT APPLICATION NUMBER: US/09/967,655
; CURRENT FILING DATE: 2001-09-28
; NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 10
; LENGTH: 5470
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (286)...(4389)
US-09-967-655-10
Query Match 18.3%; Score 169; DB 9; Length 5470;

Query Match 18.3%; Score 169; DB 10; Length 5470;
 Best Local Similarity 98.2%; Pred. No. 1.1e-43;
 Matches 213; Conservative 0; Mismatches 0; Indels 4; Gaps 4;

QY 711 GCCAGACTGTCCTCCGAGCGGGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTG 770
 Db |||||||
 70 GCCAGACTGTCCTCCGAGCGGGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTG 129
 QY |||||||
 771 -CAGCGCGGCTGGAGCGCGCGCGCTGCTGACTCTTTGGCGCCAGGAGAGTCTGTGCGCT 189
 Db |||||||
 130 ACAGCGCGGCTGGAGCGCGCGCGCTGCTGACTCTTTGGCGCCAGGAGAGTCTGTGCGCT 829
 QY |||||||
 830 GGGCGCATACGCTCTGTGACTCTTTGGCGCCAGGAGAGTCTGTGCGCT 889
 Db |||||||
 190 GGGC-CATACGCTCTGTGACTCTTTGGCGCCAGGAGAGTCTGTGCGCT 248
 QY |||||||
 890 GAG-AACTGGGCTCTGTGCCA-GCGCGAGGTGCAGG 924
 Db |||||||
 249 GAGAAACTGGGCTCTGTGCCAGCGCGAGGTGCAGG 285

RESULT 4

US-09-919-408-5
 ; Sequence 5, Application US/09919408
 ; Patent No. US20020072077A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lemischka, Ihor R.
 ; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ImClone Systems Incorporated
 ; STREET: 180 Varick Street
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10014

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/919,408
 FILING DATE: 31-Jul-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/977,451
 FILING DATE: <Unknown>
 APPLICATION NUMBER: US 07/906,397
 FILING DATE: 26-JUN-1992
 APPLICATION NUMBER: US PCT/US92/05401
 FILING DATE: 26-JUN-1992
 APPLICATION NUMBER: TW 81102961
 FILING DATE: 15-APR-1992
 APPLICATION NUMBER: US PCT/US92/02750
 FILING DATE: 02-APR-1992
 APPLICATION NUMBER: US 07/813,593
 FILING DATE: 24-DEC-1991
 APPLICATION NUMBER: US 07/793,065
 FILING DATE: 15-NOV-1991
 APPLICATION NUMBER: US 07/728,913
 FILING DATE: 28-JUN-1991
 APPLICATION NUMBER: US 07/679,666
 FILING DATE: 02-APR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Feit, Irving N.
 REGISTRATION NUMBER: 28,601
 REFERENCE/DOCKET NUMBER: LEM-3-7P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-645-1405
 TELEFAX: 212-645-2054
 INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
 LENGTH: 5406 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 FRAGMENT TYPE: N-terminal
 FEATURE:

NAME/KEY: CDS
 LOCATION: 208..4311
 FEATURE:
 NAME/KEY: mat_peptide
 LOCATION: 265..4308
 FEATURE:
 NAME/KEY: sig_peptide
 LOCATION: 208..264
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-09-919-408-5

Query Match

Best Local Similarity 16.7%; Score 154.6; DB 10; Length 5406;
 Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

QY 718 CTGTGTCCTCCGAGCGCGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTGCAGCGC 777
 Db |||||||
 1 CTGTGTCCTCCGAGCGCGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTGCAGCGC 59
 QY |||||||
 778 GGCTGAGCGCGCGCGCTGCTTTCGCGCGCGCGCTCTCCCGGCTCTCCCGGCTCTGCGGGGCGCAT 837
 Db |||||||
 60 GGCTGAGCGCGCGCGCTGCTTTCGCGCGCGCGCTCTCCCGGCTCTCCCGGCTCTGCGGGGCGCAT 118
 QY |||||||
 838 ACCGCTCTGTGACTTCTTTCGCGCGCGCGCTCTCCCGGCTCTCCCGGCTCTGCGGGGCGCAT 896
 Db |||||||
 119 ACCGCTCTGTGACTTCTTTCGCGCGCGCGCTCTCCCGGCTCTCCCGGCTCTGCGGGGCGCAT 178
 QY |||||||
 897 GGCTCTGTGCCA-GCGCGAGGTGCAGG 924
 Db |||||||
 179 GGGCTCTGTGCCAGCGCGAGGTGCAGG 207

RESULT 5

US-09-872-136-5
 ; Sequence 5, Application US/09872136
 ; Patent No. US20020119545A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lemischka, Ihor R.
 ; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ImClone Systems Incorporated
 ; STREET: 180 Varick Street
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10014

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/872,136
 FILING DATE: 01-Jun-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/208,786
 FILING DATE: <Unknown>
 APPLICATION NUMBER: US/09/021,324
 FILING DATE: <Unknown>
 APPLICATION NUMBER: US/07/977,451

Tue Jun 17 12:27:21 2003

APPLICANT: Andrew T. Watt

TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR REC

FILE REFERENCE: RTS-0227

CURRENT APPLICATION NUMBER: US/09/967,655

CURRENT FILING DATE: 2001-09-28

NUMBER OF SEQ ID NOS: 95

SEQ ID NO 17

LENGTH: 1267

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (1084)...(1150)

US-09-967-655-17

Query Match

Best Local Similarity 56.0%; Pred. No. 5,7e-25;

Matches 466; Conservative

11.9%; Score 110; DB 9; Length 1267;

156 CAAAGCACCAATAAAACAAACCTTCCCAAGTACTGAC-CAACTCACTGCAAGTTTGTGGCCC 214

255 CAAATACCTTATACAAACAAACCTTCCCAAGTACTGAC-CAACTCACTGCAAGTTTGTGGCCC 314

215 GAGTACATCTAGTTCAGGGGTTCTTGTCTTCATCTCCCAACTGCGGGGAGATTTTGG 274

315 GGCATACCTGGCTGAGTATCGCTTCTCCCTTGTGGTCCAAACTGCTGCAGATTCTCGG 374

275 TCCCTTGGGACTTTTCAGTGCAGCGGAGAGAGTTCGACGCTCCTCAATGAG 334

375 CCACCTCAGAC--CGCGCGGATGCGAGAGGGTCTCGACCTTTGACGCGCTGTTGAG 431

335 GCGCAGTGGGCTCGT---GTTTCTGTGTGCTTCCCAAGTTCGCGGGGAGCAGCAAT 391

432 GGAGCGGTGCTCTTCGACGCGCTCTCTGTGTGCTTCCCAAGTTCGCGGGGAGCAGCAAT 491

392 GT-----CTCAGAGCCCATTTACTGCTGCTTCCCAAGTTCGCGGGGAGCAGCAAT 435

492 GATTAATCTTGGAGTGTCTCAGCGCGCTTACCGAGTACTTTTATTTACACCAAGAAC 551

436 CGA---GCTGCGTCCAGATTGCTCTCAGATGCGACTTCCGCGCGGACAGTTCGCGG 492

552 AAAGTTGTTGCTCTGGGATGTTCTCTCTGGGCGACTTGGGGCGGACGAGTCCAGTTG 611

493 TAGTGG-----GGGAGTGGGCGTGGGAAACCCCAACCTTCCCAAGTTCGCGGGGAG 539

612 TGTGGCAATGGGGAGATGTAATGGGCTTGGGGAGTGGAGATCCCGCGGCTACCC 671

540 CAGTGGGGGCGTGGCGGACGCGAGG-----AGTCCCAACCTTCCCGGTA 586

672 GGGTGGGGGCGGCGGCTGGCGGACGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 731

587 ATGACCCCGCCCGCAATTCGCTAGTGTAGCGGGGCTCTCTTTCTGCGCTGAGTCTCA 646

732 ATGGCCCGCGCTCCCGCTCTAGAGTTTGGGCTCAGTGTGCTGCTTCTCTGCTGCGCG 791

647 GCACCCCAAGAGAGTAAAGTGTGTTCTTAGATCGCGGAGACCGTACCCCGGAGGAG 704

792 GGACCCCGCGGAGAGCGGTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 851

705 -----CTGAAACCCAGACTGTCTCCCGCAGCGGAGTAACTTGGCTGAGCCGATTC 759

852 ACTTGGCGCGCCAGAAAGTCTGCTGCGGAGTCTGCTGCGGAGTCTGCTGCGGAGTCT 911

760 GGACACCGCTGCAGCGG--CGGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 818

912 AGACGCCCTTCAGCGCGCGGCTGCGCGGCTGCTGCGGCTGCTGCGGCTGCTGCGGCTG 971

819 TTGCGCTGGGGG-----GGCATACCGCTCTGAGTCTTCTTGGCGGCGCAGGAGAC--GG 872

972 CTGCGTGGCGGAGTCTGCTGCGGAGTCTGCTGCGGAGTCTGCTGCGGAGTCTGCTGCG 1031

873 AGAAGGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 924

QY

Db

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QY

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QY

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QY

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QY

Db

QY

Db

QY

Db

FILING DATE: 1992-11-19

APPLICATION NUMBER: US 07/906,397

FILING DATE: 26-JUN-1992

APPLICATION NUMBER: US PCT/US92/05401

FILING DATE: 26-JUN-1992

APPLICATION NUMBER: TW 81102961

FILING DATE: 15-APR-1992

APPLICATION NUMBER: US PCT/US92/02750

FILING DATE: 02-APR-1992

APPLICATION NUMBER: US 07/813,593

FILING DATE: 24-DEC-1991

APPLICATION NUMBER: US 07/793,065

FILING DATE: 15-NOV-1991

APPLICATION NUMBER: US 07/728,913

FILING DATE: 28-JUN-1991

APPLICATION NUMBER: US 07/679,666

FILING DATE: 02-APR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Feit, Irving N.

REGISTRATION NUMBER: 28,601

REFERENCE/DOCKET NUMBER: LEM-3-7P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-645-1405

TELEFAX: 212-645-2054

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 5406 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

FRAGMENT TYPE: N-terminal

FEATURE:

NAME/KEY: CDS

LOCATION: 208..4311

FEATURE:

NAME/KEY: mat_peptide

LOCATION: 265..4308

FEATURE:

NAME/KEY: sig_peptide

LOCATION: 208..264

SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-09-872-136-5

Query Match

Best Local Similarity 96.2%; Pred. No. 4.7e-39;

Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

718 CTGTGTCGCGGAGCGCGGCTGCTCCCGGCTCTCCCGGCTCTCCCGGCTCTCCCGGCTCTCC 777

1 CTGTGTCGCGGAGCGCGGCTGCTCCCGGCTCTCCCGGCTCTCCCGGCTCTCCCGGCTCTCC 59

778 GCGTGGAGCCAGGCGCGCGGCTCTCCCGGCTCTCCCGGCTCTCCCGGCTCTCCCGGCTCTCC 837

60 GCGTGGAGCCAGGCGCGCGGCTCTCCCGGCTCTCCCGGCTCTCCCGGCTCTCCCGGCTCTCC 118

838 ACCGCTCTGCTACCTCTTTGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 896

119 ACCGCTCTGCTACCTCTTTGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 178

897 GCGCTCTGTGCCCA-CGCGGAGGTGCGAGG 924

179 GCGCTCTGTGCCCA-CGCGGAGGTGCGAGG 207

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us-09-445-201-1-copy_6036_6959.rnpb

Tue Jun 17 12:27:21 2003

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1603 GGGCGCGGAGGAGAGCGGAGGAGGAGCGCGCGCGCGCGCGCTCT 1544
727 GCAGCCGGGATACCTGGCTGACCCGATTCGCGGACACCGCTGACCGCGCTGGAGC 786
1543 TCCGGGGGGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTTGGTGC 1484
787 CAGGGCGCGCGTCCCGCGCTCTCCCGGCTTGGCTGCGGGGGCGCATACCGCTCT 846
1483 CGCGG-----GGGAGCGCGCGCTCTCCCGCGCGCGCGCGCGCGCGCTG 1428
847 GTGACTTCTTTGGCGCGCGAGGAGGAGGAGGAGTCTGTGCTGAGAACTGGGC 900
1427 GTCGCGCTGCGCGCGCGAGACTCTGTGCTTGGTGTGCTGAGCTGGGTC 1374

RESULT 10
US-10-121-988-152/c
; Sequence 152, Application US/10121988
; Publication No. US20030068327A1
; GENERAL INFORMATION:
; APPLICANT: Hosken, Nancy Ann
; APPLICANT: McGowan, Patrick
; APPLICANT: Sleath, Paul R.
; APPLICANT: Mossman, Sally P.
; APPLICANT: Evans, Lawrence S.
; APPLICANT: Swanson, Ryan M.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF HERPES SIMPLEX VIRUS INFECTION
; FILE REFERENCE: 210121.538C1
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 152
; LENGTH: 3066
; TYPE: DNA
; ORGANISM: HSV2
US-10-121-988-152

Query Match 4.1%; Score 37.6; DB 9; Length 3066;
Best Local Similarity 44.9%; Pred. No. 0.13;
Matches 186; Conservative 0; Mismatches 224; Indels 4; Gaps 1;

QY 487 CCGGGGTAGTGGGGAGTGGCGTGGGAAACCGGAAACCTGTATCCAGTGG 546
2368 CGGAGGAGGAGGAGGCGCGCGGACCGCGGCTGGGACGACGAGACCGCGGGGG 2309
547 GGGCGTGGCGGACGAGGAGTCCCGACCGCTCCCGGTAAAGACCGCGCGCGCTCCG 606
2308 CGGCGCGCGGAGCGCGCGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2249
607 TAGTGTGTAGCGCGCGCTCTTTTCTGCTGAGTCTCAGGACCGCGCGCGCGCGCT 666
2248 GGGCGCGCGCGCGCGCGCGCGCTCTTGGCGCGCGCGCGCGCGCGCGCGCGCG 2189
667 GTGTTCTTAGTACGCGCGCGCGCTACCGCGGAGGAGTAAAGCGCGCGCGCTGTCC 726
2188 GGGCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2129
727 GCAGCGCGGATTAACCTGCTGACCGGATTCGCGGAGACCGCTGCGCGCGCGCGG 786
2128 TCCGGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2069
787 CAGGCGCGCGTGGCGCGCGCGCTCTCCCGGCTTTCGCTGCGGGGGCGCATACCGCT 846
2068 CCGCG-----GGGACCGCGGCTCTCTCCCGCGCGCGCGCGCGCGCGCGCGCG 2013
847 GTGACTTCTTTTCGCGCGCGGAGGAGGAGGAGGAGTCTGTGCTGAGAACTGGGC 900
2012 GTCGCGCTGCGCGCGCGGAGACTCTGTGCTTGGTGTGCTGAGCTGGGTC 1959

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RESULT 11
US-09-864-761-10271/c
; Sequence 10271, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aesmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,587
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 10271
; LENGTH: 449
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005973.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.68
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.78
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.68
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.63
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.77
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.77
US-09-864-761-10271

Query Match 4.0%; Score 37.4; DB 10; Length 449;
Best Local Similarity 57.1%; Pred. No. 0.076;
Matches 68; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

QY 723 TCCCGCAGCGCGGATACCTGCTGACCGGATTCGCGGACACCGCTGCGCGCGCTG 782

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Tue Jun 17 12:27:21 2003

Query Match 4.0%; Score 36.8; DB 9; Length 1523;
Best Local Similarity 7.4%; Pred. No. 0.18;
Matches 35; Conservative 133; Mismatches 308; Indels 0; Gaps 0;
Db 2837 TCCCCGGTGATGAGGTCCTTCCGGAAGGCTTCCAGCCCGTCCCGCCACAGGGCGTGAGG 2896
Qy 858 GCGGGCCAGGACGAGAGAGTCTGCTGAGAAAGGAGTCTGCTGAGAACTGGGCTCTG 904
Db 2897 GCGGGCCAGGAGGTTGGTTCAGCAGCAGGTCGCCACATCCGGGCTCAG 2943

Search completed: June 16, 2003, 20:06:27
Job time : 127.274 secs

Qy 429 CAGAAACCGAGTGGTCCAGATTGCTCTCAGATGCGACTGCGCGCCGCGCACAGTTCC 488
Db 850 S.SA.HN.SC..BSS.HNCD.A.BY.SY.CN.TDB..GY.YNRS...AS.DSRNS.ARNA 791
Qy 489 GGGGTAGTGGGAGTGGGCTGGAAACCGGGAACCCAAACCTGTTATCCAGTGGGG 548
Db 790 .KS..SNNS.H..A.DY.TS..Y.BTA.DNC..R..ABHM.KCY..TY.CMNSGYBBA.KG 731
Qy 549 GCGTGGCGGACGAGGAGTCCACCCCTCCCGGTAATGACCCCGCCGCCCAITCGCTA 608
Db 730 AG...GY.S..GSS..NCHGA.H..TBH....M...M.GY.NCSB.YMY.WMC.WT. 671
Qy 609 GTGTGTACCGCGCTCTCTTCTGCTGCTGCTCAGGACCCCAAGAGAGTAACTGT 668
Db 670 DGNM..NS..N.AS.SB.AA.TC.A.AA.NHR.S..YBSS.CT.AHNSBGS..NSY.K 611
Qy 669 GTTCTTAGATCGCGCGGACGCTACCGGGCAGGACTCAAGCCCGAGACTGTGTCGCG 728
Db 610 .AM.CS.CY.BYCDAB..NCA.K...BSTTCH.TC.YB.M.MNS.N.MY.N..MM..C 551
Qy 729 AGCCGGGATACTGCTGACCCGATTCGCGGACACCGCTGCGCGGCGGCTGGAGCCA 788
Db 550 AT..BSB.NHN.Y.HABR...DS..YB.M.NSHB.AC.GYGM..GB.HK.G.SS.YSYR 491
Qy 789 GGGCGCGGTGCGCCCGCTCTCCCGGCTCTGCGTGGGCGGCGCATACGCCCTCTGT 848
Db 490 H.SCSGY.MMSM..S.YMNT.YY.SSGYTCSA...NH..RHT.WM.DHGB..N.T.D.A 431
Qy 849 GACTTCTTTCGGGCGGACGAGGAGTCTGTGCTGCTGAGAACTGGGCTCT 903
Db 430 S...T.CMS.A..MNH.S..N.N.H..ANBY.GN.MNTN.....SB.CH 376

RESULT 15
US-09-764-891-10015
; Sequence 10015, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764.891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10015
; LENGTH: 3784
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-10015

Query Match 4.0%; Score 36.6; DB 9; Length 3784;
Best Local Similarity 47.7%; Pred. No. 0.29;
Matches 137; Conservative 0; Mismatches 149; Indels 1; Gaps 1;
Qy 618 CGCGGCTCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 677
Db 2658 GCGGGCTACAGGCTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2717
Qy 678 GATCGCGGACCGCTACCGCGGAGCTGAAAGCCCGAGACTGTGCTGCTGCTGCTGCTGCT 737
Db 2718 GAACGTGGGTGAGTCAGTCAGCAAGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2777
Qy 738 AACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 797
Db 2778 CTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2836
Qy 798 TGCCCCCGGCTCTCCCGGCTCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 857

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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:37:06 ; Search time 124.312 Seconds
(without alignments)
5794.976 Million cell updates/sec

Title: US-09-445-201-1_COPY_8260_10608
Perfect score: 2349
Sequence: 1 tgaataagatgaggttgc.....agggtttctattgatgcc 2349

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
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5: /cgn2_6/ptodata/2/ina/PTCUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	47.6	2.0	7218	1	US-08-232-463-14
2	45.6	1.9	51259	3	US-08-781-891-209
3	43.2	1.8	152331	3	US-09-128-155-16
4	42.2	1.8	14507	3	US-08-785-150-1
5	42.2	1.8	14507	4	US-09-660-299-1
6	42.2	1.8	14507	4	US-09-435-377-1
7	42	1.8	65042	4	US-09-784-316-3
8	41.8	1.8	1751	4	US-09-149-476-110
9	41.4	1.8	84495	4	US-09-797-906-3
10	40.8	1.7	152331	3	US-09-128-155-16
11	40.4	1.7	8133	4	US-09-227-357-32
12	40.4	1.7	176373	3	US-09-659-791A-10
13	40.4	1.7	380	1	US-08-128-155-17
14	40.2	1.7	1920	1	US-08-126-587C-5
15	40	1.7	3437	4	US-08-087-772A-1
16	40	1.7	3437	4	US-08-450-962-3
17	39.8	1.7	169998	4	US-09-676-610B-24
18	39.6	1.7	246240	2	US-08-724-394A-20
19	39.6	1.7	246240	2	US-08-724-394A-21
20	39.6	1.7	246240	2	US-08-724-394A-22
21	39.4	1.7	2880	4	US-09-115-954-3
22	39.4	1.7	3842	4	US-09-115-954-7
23	39.4	1.7	3912	4	US-09-115-954-1
24	39.2	1.7	11725	2	US-08-756-506-1
25	39.2	1.7	17041	1	US-08-076-011-1
26	39.2	1.7	37950	4	US-09-338-907-183
27	39.2	1.7	37950	4	US-09-218-207-183
28	39	1.7	59065	4	US-09-813-817-3
29	39	1.7	59065	4	US-09-978-197-3
30	39	1.7	59065	4	US-09-436-983-1
31	38.6	1.6	2017	4	US-08-487-799-1
32	38.6	1.6	2908	3	US-08-480-784-20
33	38.6	1.6	6769	1	US-08-483-554B-20
34	38.6	1.6	6769	1	US-08-487-002-20
35	38.6	1.6	6769	1	US-08-483-554B-20
36	38.6	1.6	6769	1	US-08-487-002-20
37	38.6	1.6	6769	1	US-08-483-554B-20
38	38.6	1.6	6769	1	US-08-487-002-20
39	38.6	1.6	6769	1	US-08-483-554B-20
40	38.6	1.6	6769	1	US-08-487-002-20
41	38.6	1.6	6769	1	US-08-483-554B-20
42	38.6	1.6	6769	1	US-08-487-002-20
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44	38.6	1.6	6769	1	US-08-487-002-20
45	38.4	1.6	501	3	US-08-699-628-1

ALIGNMENTS

RESULT 1
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pt29pt-F1s
; US-08-232-463-14

Query Match

2.0%; Score 47.6; DB 1; Length 7218;

[illegible]

STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh

OPERATING SYSTEM: Apple Operating System Software 7.1
SOFTWARE: Microsoft Word for Macintosh, Version 5.1a

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785.150

FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/586.509

FILING DATE: 11-JAN-96

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne

REGISTRATION NUMBER: 34,693

REFERENCE/DOCKET NUMBER: 2841

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206)587-0430

TELEFAX: (206)233-0644

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 14507 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: No. 6027915 Relevant

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Chinese hamster

IMMEDIATE SOURCE:

CLONE: 2A5-3 lambda CHO sequence

US-08-785-150-1

Query Match

Best Local Similarity 1.8%; Score 42.2; DB 3; Length 14507;

Matches 88; Conservative 0; Mismatches 58; Indels 1; Gaps 1;

QY 1364 CTGCTATTAAATAGTTATTTCTCTCTGACAGACAGTCTCACTGTGTGGCCAGGCTA 1423
Db 146 CAGCCCAAGATTGTTGTTGTTGTTCCGAGAAAGGGTTCTCTGTGTAGCCCTTGCTG 205
QY 1424 GTCTCAAACT-TGCCGTCCATTGTCCTCACTCATCAGAAATGCTGGCTTCCAGTGTGTG 1482
Db 206 TCCAGCACTCAGATCCACCTGCCTCTGCTGAGTCTGGGATTAAAGGTGTGTG 265
QY 1483 CACCACACTAGGTAGTCGCGTTTAA 1509
Db 266 CTGACTACAGGCAAGCTTGTGTTTA 292

RESULT 5

US-09-660-299-1

Sequence 1, Application US/09660299

Patent No. 6309841

GENERAL INFORMATION:

APPLICANT: Morris, Arvia E.

APPLICANT: Lee, Chi-Chang

APPLICANT: Thomas, James N.

TITLE OF INVENTION: Expression Augmenting Sequence Elements

Patent No. 6309841

NUMBER OF SEQUENCES: 1

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation

STREET: 51 University Street

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple Operating System Software 7.1
SOFTWARE: Microsoft Word for Macintosh, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/660.299

FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/586.509

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne

REGISTRATION NUMBER: 34,693

REFERENCE/DOCKET NUMBER: 2841

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206)587-0430

TELEFAX: (206)233-0644

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 14507 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: No. 6309841 Relevant

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Chinese hamster

IMMEDIATE SOURCE:

CLONE: 2A5-3 lambda CHO sequence

US-09-660-299-1

Query Match

Best Local Similarity 1.8%; Score 42.2; DB 4; Length 14507;

Matches 88; Conservative 0; Mismatches 58; Indels 1; Gaps 1;

QY 1364 CTGCTATTAAATAGTTATTTCTCTCTGACAGACAGTCTCACTGTGTGGCCAGGCTA 1423
Db 146 CAGCCCAAGATTGTTGTTGTTGTTCCGAGAAAGGGTTCTCTGTGTAGCCCTTGCTG 205
QY 1424 GTCTCAAACT-TGCCGTCCATTGTCCTCACTCATCAGAAATGCTGGCTTCCAGTGTGTG 1482
Db 206 TCCAGCACTCAGATCCACCTGCCTCTGCTGAGTCTGGGATTAAAGGTGTGTG 265
QY 1483 CACCACACTAGGTAGTCGCGTTTAA 1509
Db 266 CTGACTACAGGCAAGCTTGTGTTTA 292

RESULT 6

US-09-435-377-1

Sequence 1, Application US/09435377

Patent No. 6312951

GENERAL INFORMATION:

APPLICANT: Morris, Arvia E.

APPLICANT: Lee, Chi-Chang

APPLICANT: Thomas, James N.

TITLE OF INVENTION: Expression Augmenting Sequence Elements

Patent No. 6312951

NUMBER OF SEQUENCES: 1

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation

STREET: 51 University Street

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Macintosh

us-09-445-201-1_copy_8260_10608.rni

Tue Jun 17 12:27:51 2003

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OPERATING SYSTEM: Apple Operating System Software 7.1
SOFTWARE: Microsoft Word for Macintosh, Version 5.1a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/435.377
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/596.509
FILING DATE: 11 JAN 96
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2841
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 14507 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: No. 6312951 Relevant
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE: Chinese hamster
ORGANISM: Chinese hamster
IMMEDIATE SOURCE:
CLONE: 2A5-3 lambda CHO sequence
US-09-435-377-1

Query Match 1.8%; Score 42.2; DB 4; Length 14507;
Best Local Similarity 59.9%; Pred. No. 0.072; Indels 1; Gaps 1;
Matches 88; Conservative 0; Mismatches 58;

QY 1364 CTGCTATTATAGTTATCTCTCTGTGACAGAGTCTCAGTGTGGCCAGGCTA 1423
DB 146 CAGCCAGATTCTCTGTTGTTTCCGAGAAAGGGTTCTCTGTAGCCCTGTG 205
QY 1424 GTCTCAACT-TCCGGTCCATTGTCTCACTCATCAGATGCTGGCTTCCAGGTGTG 1482
DB 206 TCCAGGAACACAGATCCACCTGCCTCTCTCTGAGTCTGGGATTAAAGGTGTG 265
QY 1483 CACCACACTAGGTAGCTCGGGTTTAA 1509
DB 266 CTGACTACAGCAAGCTTGTGTGTTA 292

RESULT 7
US-09-784-316-3
Sequence 3, Application US/09784316
Patent No. 6461843
GENERAL INFORMATION:
APPLICANT: WEI, Ming-Hui et al.
TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
THEREOF
TITLE OF INVENTION: THEREOF
FILE REFERENCE: CLO01139
CURRENT APPLICATION NUMBER: US/09/784,316
CURRENT FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 65042
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(65042)
OTHER INFORMATION: n = A,T,C or G
US-09-784-316-3

Query Match 1.8%; Score 42; DB 4; Length 65042;
Best Local Similarity 73.0%; Pred. No. 0.2; Indels 20; Gaps 0;
Matches 54; Conservative 0; Mismatches 20;

QY 1367 CTATTAATTAGTTATCTCTCTGTGACAGAGTCTCAGTGTGGCCAGGCTAGTC 1426
DB 34302 CTTTTTTTTTTTTTTTTTTATAGAGACGAGTCTCACCGTGTGTCCTGTC 34361
QY 1427 TCAAACTTGGGTC 1440
DB 34362 TCAAACTCTCTGGGC 34375

RESULT 8
US-09-149-476-110/c
Sequence 110, Application US/09149476
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002P1
CURRENT APPLICATION NUMBER: US/09/149,476
CURRENT FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,633
EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,592
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,581
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EARLIER APPLICATION NUMBER: 60/047,584
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,500
EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,598
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,613
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,582
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us-09-445-201-1_copy_8260_10608.rni

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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-04-11
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EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22

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EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/047,585
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EARLIER APPLICATION NUMBER: 60/047,594
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EARLIER APPLICATION NUMBER: 60/047,589
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EARLIER APPLICATION NUMBER: 60/047,593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,664
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EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 1.88; Score 41.8; DB 4; Length 1751;
Best Local Similarity 61.5%; Pred. No. 0.027;
Matches 67; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

	Query Match Best Local Matches	Similarity 61.1%; 66;	Mismatches 0;	Conservative 66;	Indels 42;	Gaps 0;
1326	TTCTTAGTGCAGTGCGAATATAGAAAGCCCTGGATGCTGCCTGCTATTAAATTTAGTTATCTTT	1385				
1326	TTTTTTT					
54518	TTCTTGAGTAGGTAGGATTACAGGACGCACCGCCTTTCGCCCTTTTTTTTTTTTTTTTTTTTTT	5445				
1386	CTCTTCTGCACAGACTCTCACTGTGTGGCCCGAGGCTAGCTCAAACT	1433				
1386	TTTTTTT					
54458	TTTTTACAGATGGGTCTCACTATGTTGCCAGGCCAGTTTGAAT	54411				
54458	TTTTTTT					

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RESULT 11
US-09-227-357-32/c      Application US/09227357
; Sequence 32, Application
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: PZ010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; CURRENT FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: PCT/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,803
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
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; EARLIER FILING DATE: 1997-07-08
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; EARLIER APPLICATION NUMBER: 60/051,930
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; EARLIER APPLICATION NUMBER: 60/051,920
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; EARLIER APPLICATION NUMBER: 60/055,722
; EARLIER FILING DATE: 1997-08-18
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; EARLIER FILING DATE: 1997-08-18
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; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,953
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,950
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,947
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,964
; EARLIER FILING DATE: 1997-08-18

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1368	QY	TATTAATTAGTATTCTTCTCTTGAGACAGAGTCTCAC	TGTCGCCCAGGCTAGTCT	1427
1369				
1370	db	TTTTTTTTTTTTTTTTTTTTGAGACGAGTCTCGCTCT	TGTCGCCCAGGCTGACT	1428
1371				
1372	QY	CAAACTTCGGGTCCATTGTGCTCACATCAGAATGCT	TGGGCTTCCAGG	1429
1373	db	CGGAGACTGAGTCGCGCAATCTCGGCTCACTGCAAG	CTCCGCTCCCGG	1430

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RESULT 9
US-09-797-906-3/C
; Sequence 3, Application US/09797905
; Patent No. 6329188
; GENERAL INFORMATION:
; APPLICANT: Zhanghe YAN, Karen A. KETCHUM, Valentina DIFRANCESCO, Ellen M. BEASLEY
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001151CIP
; CURRENT APPLICATION NUMBER: US/09/7797,906
; CURRENT FILING DATE: 2001-03-05
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 84495
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(84495)
; OTHER INFORMATION: n = A,T,C or G
; US-09-797-906-3

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Matches	51; Conservative	76.1%; 0: Mismatches 16: Indels 0: Gaps	1.8%; Pred. NO. 0.36;		
QY	1372 AATTAGTTATTTCTTCTTCGTGACACAGACTCACCATGTGGCCCAAGGCTAGTCTCAA	1431			
Dd	45275 ATATTTTTTTTATTGTCAGACAGCGGTCTCATATGTTGCCAAGGCTAGTCTCAA	45216			
QY	1432 CTTGCGG	1438			
Dd	45215 CTCCTGG	45209			

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RESULT 10
US-09-128-155-16/C
; Sequence 16, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; CURRENT FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows version 3.0
; SEQ ID NO 16
; LENGTH: 152331
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(152331)
; OTHER INFORMATION: n = A,T,C or G
; US-09-128-155-16

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; EARLIER APPLICATION NUMBER: 60/056,360
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,684
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,984
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,954
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/058,785
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,664
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,660
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,661
; EARLIER FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
; LENGTH: 1838
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1076)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-227-357-32

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Best Local Similarity 1.7%; Score 40.4; DB 4; Length 1838;
Matches 56; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

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QY 1359 CCTGCTCTATTAATAGTTATTTCTCTGACAGAGTCTCACTGTGTGGCCCA 1418
Db 992 CCAGCTAATTTTTTTTACTTTTTTAATTTTTTAGATGGAGTCTCACTGTGTACCCA 933
QY 1419 GCCTAGTCTCAAACTTCGGTTC 1440
Db 932 GCCTATCTCAAACTTCCTGGC 911

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RESULT 12

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US-09-659-791A-10/c.
; Sequence 10, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:

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; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 10
; LENGTH: 8133
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-659-791A-10

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Query Match
Best Local Similarity 1.7%; Score 40.4; DB 4; Length 8133;
Matches 65; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

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QY 1378 TTATTTCTCTCTCTGACAGAGTCTCACTGTGTGGCCAGGCTAGTCTCAAACTTGG 1437
Db 5457 TTTGTATTTTCTGACAGAGGTTCTCTGTGTGTCCAGGCTGGTCTCAAACTCTCG 5398
QY 1438 GTCCATTTCTCACTCATCAGAAATGCTGGCTTCCAGGTGTGTGC 1483
Db 5397 GGCTAACCCATCTGCCAAAAGTCTGGGATTAATCTGGTGTGAGC 5352

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RESULT 13

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US-09-128-155-17/c
; Sequence 17, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; EARLIER FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 176373
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(176373)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17

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Best Local Similarity 1.7%; Score 40.4; DB 3; Length 176373;
Matches 68; Conservative 0; Mismatches 46; Indels 0; Gaps 0;
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Db 61378 TTTTGTATTTTCTGACAGAGTCTCTGTGTGTCCAGGCTGGTCTCAAACTTGG 61319
QY 1438 GTCCATTTCTCTCACTCATCAGAAATGCTGGCTTCCAGGTGTGTCCAGCACT 1491
Db 61318 GTGGCGCAATCTCGGCTCACTGCAAGCTCCGCTTCCGGGTTTCACGCCATTCT 61265

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RESULT 14

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US-08-126-587C-5/c
; Sequence 5, Application US/08126587C
; Patent No. 5534438
; GENERAL INFORMATION:

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; APPLICANT: Hayden, Michael
; APPLICANT: Goldberg, Paul
; APPLICANT: Andrew, Susan
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Process for Isolating Genes and the Gene
; TITLE OF INVENTION: Causative of Huntington's Disease and Differential 3'
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell Seitzer Park & Gibson
; STREET: 1211 E. Morehead Street
; CITY: Charlotte
; STATE: No. 5534438th Carolina
; COUNTRY: USA
; ZIP: 28234

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/126,587C
; FILING DATE: 24-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Layton Jr., Samuel G.
; REGISTRATION NUMBER: 22,807
; REFERENCE/DOCKET NUMBER: 3477-84

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Best Local Similarity 63.5%; Pred No. 0.097;
Matches 61; Conservative 0; Mismatches 35; Indels 0; Gaps 0:
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       ||||| | ||||| | ||| | ||||| | ||||| | ||||| | ||||| | |||||
Db     .    97 TCTTATTTGTTGAGATAGTCTTCATATGTTGCCCAGATTGCTCTGGACCTCCAGATCC 38
       .
QY    1442 ATTGTGCTCACTCATCAGAATGCTGGGCTTCCAGT 1477
       ||| | ||| | ||| | ||||| | ||||| | ||||| | |||||
Db     37 TTCTGCCTCAACCTCCCAGTGTGGGATTACAGAT 2
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Job time : 127.312 secs
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Search completed: June 16, 2003, 13:59:56
Job time : 127.312 secs

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  TELEPHONE: 704-377-1561
  TELEFAX: 704-334-2014
  INFORMATION FOR SEQ ID NO: 5:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 380 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      MOLECULE TYPE: DNA (genomic)
      HYPOTHETICAL: NO
      ANTI-SENSE: NO
      POSITION IN GENOME:
        CHROMOSOME/SEGMENT: 4p16.3
      UNITS: bp
  JUS-08-126-587C-5

Query Match          1.7%;   Score 40.2;  DB 1:  Length 380;
Best Local Similarity 60.6%;   Pred. No. 0.032;
Matches              66;  Conservative 0;  Mismatches 43;  Indels 0;  Gaps 0;

1368 TATTAATTAAGTTATTCTTCTCTGAGACAGAGTCACATGTTGTGGCCAGGCTAGTCT 1427
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339 TTTTTTTTTTTTTTTTTTTTTTTTGAGACGAGGAGTCTTGCTCTGTGCGCCAGGCGGACT 280
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

1428 CAACACTGCGGTCCATTGTTCTCACATCATCAGAATGCTGGGCTTCCAG 1476
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

279 GCGGACTCGAGTGGCGCAATCTCGGCTCACTGAAGACTCCGCTTCCCG 231
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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RESULT 15
US-08-087-772A-1/C
: Sequence 1, Application US/08087772A
: Patent No. 5691155
: GENERAL INFORMATION:
: APPLICANT: Nahmias, Clara L.
: APPLICANT: Emorine, Jean L.
: APPLICANT: Strosberg, Donny A. Sequences Encoding the Murine
: TITLE OF INVENTION: Nucleotide Receptor and Their Applications
: TITLE OF INVENTION: Beta3-Adrenergic Receptor and Their Applications
: NUMBER OF SEQUENCES: 17
: NUMBER OF SEQUENCES: 17
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Bell, Seltzer, Park & Gibson
: STREET: Post Office Drawer 34009
: CITY: Charlotte
: STATE: No. 5691155th Carolina
: COUNTRY: USA
: ZIP: 28234
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC Compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/087,772A
: FILING DATE:
: CLASSIFICATION: 800
: ATTORNEY/AGENT INFORMATION:
: NAME: Linker, Raymond O.
: REGISTRATION NUMBER: 26,419
: REFERENCE/DOCKET NUMBER: 3339-195
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 919-881-3140
: TELEFAX: 919-881-3175
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1920 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: FEATURE:
: NAME/KEY: CDS

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

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Title: US-09-445-201-1_COPY_8260_10608

Perfect score: 2349

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Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Published Applications_NA:*

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- 4: /cgn2.6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2.6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2.6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2.6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2.6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2.6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2.6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2.6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2.6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2.6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2.6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	511	21.8	511	10	US-09-738-968-35
2	55.2	2.3	389	9	US-09-933-797-75
3	47.2	2.0	32193	9	US-09-764-868-1508
4	47.2	2.0	98865	10	US-09-770-689A-3
5	46.6	2.0	197997	10	US-09-822-246-3
6	46	2.0	4064	10	US-09-873-737A-3
7	45.6	1.9	13409	9	US-09-764-891-9601
8	44.8	1.9	5409	9	US-10-074-095-752
9	44.8	1.9	5409	10	US-09-764-860-752
10	44.8	1.9	368004	10	US-09-949-654-3
11	44.4	1.9	10739	9	US-10-091-504-2130
12	44.4	1.9	10739	9	US-09-764-869-2130
13	44.2	1.9	9968	9	US-10-102-627-100
14	44.2	1.9	20210	9	US-10-125-540-598
15	44.2	1.9	20210	10	US-09-764-870-598
16	44.2	1.9	174566	9	US-10-020-141-1
17	44.2	1.9	1503841	9	US-09-946-807-1
18	44.2	1.9	1503841	10	US-09-795-668-1
19	44.2	1.9	1503841	10	US-09-795-686-1

20	44	1.9	168	9	US-09-764-891-5997	Sequence 5997, Ap
21	44	1.9	818	9	US-10-011-445-12	Sequence 12, Appl
22	44	1.9	10708	10	US-09-748-107-3	Sequence 3, Appli
23	43.6	1.9	8205	9	US-09-860-670-276	Sequence 276, App
24	43.2	1.8	11316	9	US-09-764-868-1391	Sequence 1391, Ap
25	43.2	1.8	152331	9	US-10-093-407-16	Sequence 16, Appl
26	43	1.8	2482	10	US-09-880-107-2238	Sequence 2238, Ap
27	42.8	1.8	2854	9	US-09-764-891-8205	Sequence 8205, Ap
28	42.8	1.8	3271	9	US-09-764-891-8206	Sequence 8206, Ap
29	42.8	1.8	12712	9	US-09-764-868-1425	Sequence 1425, Ap
30	42.8	1.8	30350	9	US-10-118-328-3	Sequence 3, Appli
31	42.8	1.8	31766	9	US-10-288-478-5	Sequence 5, Appli
32	42.8	1.8	31766	9	US-10-288-478-5	Sequence 5, Appli
33	42.8	1.8	31766	10	US-09-765-344-5	Sequence 5, Appli
34	42.8	1.8	31766	10	US-09-765-344-5	Sequence 5, Appli
35	42.8	1.8	186957	9	US-10-185-770-3	Sequence 3, Appli
36	42.6	1.8	8966	10	US-09-880-107-2086	Sequence 2086, Ap
37	42.6	1.8	15275	9	US-10-091-504-1475	Sequence 1475, Ap
38	42.6	1.8	15275	10	US-09-764-869-1475	Sequence 1, Appli
39	42.6	1.8	169139	9	US-10-067-514-1	Sequence 1, Appli
40	42.4	1.8	582	9	US-10-066-543-1080	Sequence 9, Appli
41	42.4	1.8	78025	9	US-10-020-141-9	Sequence 9, Appli
42	42.2	1.8	1101	9	US-09-764-872-908	Sequence 908, App
43	42.2	1.8	14507	9	US-09-973-928-1	Sequence 1, Appli
44	42.2	1.8	36303	9	US-10-152-724A-24	Sequence 24, Appli
45	42	1.8	448	9	US-09-918-995-31628	Sequence 31628, A

ALIGNMENTS

RESULT 1

US-09-738-968-35
; Sequence 35, Application US/09738968
; Patent No. US20010037016A1
; GENERAL INFORMATION:
; APPLICANT: Contag, Pamela R.
; APPLICANT: Zhang, Ning
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR SCREENING FOR ANGIOGENESIS
; TITLE OF INVENTION: MODULATING COMPOUNDS
; FILE REFERENCE: 9400-0012.20
; CURRENT APPLICATION NUMBER: US/09/738, 968
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 09/465, 978
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-738-968-35

Query Match	21.8%	Score 511;	DB 10;	Length 511;
Best Local Similarity	100.0%;	Pred. No. 8.6e-132;		
Mismatches 511;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1838	AAATGTGCTGCTTTAGAGCCACACACATGAGAGAGATGCTCCAGGGAGTTTTCATTAATCAGCAATTT		
DB	1	AAATGTGCTGCTTTAGAGCCACACACATGAGAGAGATGCTCCAGGGAGTTTTCATTAATCAGCAATTT		
QY	1898	CTGTTACACAGCATGATAAAGACAATGGAGGGGTACACGTGCTCCCGTCCCTTTCA		1957
DB	61	CTGTTACACAGCATGATAAAGACAATGGAGGGGTACACGTGCTCCCGTCCCTTTCA		120
QY	1958	GGGTATGGACGACGCTGTAGAGAGATGCTCCAGGGAGTTTTCATTAATCAGCAATTT		2017
DB	121	GGGTATGGACGACGCTGTAGAGAGATGCTCCAGGGAGTTTTCATTAATCAGCAATTT		180
QY	2018	AGTCAGATCTGTGCATCTCTTGTACAGAAATGTGAGGGGCTCAGATCATCAT		2077
DB	181	AGTCAGATCTGTGCATCTCTTGTACAGAAATGTGAGGGGCTCAGATCATCAT		240

APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: P732
CURRENT APPLICATION NUMBER: US/09/764,868
CURRENT FILING DATE: 2001-01-17
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 1510
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1508
LENGTH: 32193
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (4975)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (4976)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (31313)
OTHER INFORMATION: n equals a,t,g, or c
US-09-764-868-1508

Query Match 2.0%; Score 47.2; DB 9; Length 32193;
Best Local Similarity 61.3%; Pred. No. 0.2;
Matches 76; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 1329 TTAGTCAGTGGCAATTAGAAAGCGCTGGATGCGCTGCTATTAAATTAGTTCTCTC 1388
DB 22812 TTAACAAGAGGAAACAGAGAGATTGGATTGTTTTCGCATTGTTGTTGTTT 22753
QY 1389 TTCTGAGACAGAGTCTCACTGTGTGCGCCAGGCTAGTCTCAAACTGGCGTCCATTGTC 1448
DB 22752 TAAAGAGACAAAGTCTCACTGTGTGCGCCAGGCTAGACTAGAACTCTCATCTGTTT 22693
QY 1449 TCAC 1452
DB 22692 TCCC 22689

RESULT 4

US-09-770-689A-3
Sequence 3, Application US/09770689A
Patent No. US20020115171A1
GENERAL INFORMATION:
APPLICANT: YAN, Chunhua et al.
TITLE OF INVENTION: ISOLATED HUMAN RAS-LIKE PROTEINS,
NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE
PROTEINS, AND USES THEREOF
FILE REFERENCE: CL001079
CURRENT APPLICATION NUMBER: US/09/770,689A
CURRENT FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 98865
TYPE: DNA
ORGANISM: HUMAN
US-09-770-689A-3

Query Match 2.0%; Score 47.2; DB 10; Length 98865;
Best Local Similarity 61.3%; Pred. No. 0.43;
Matches 76; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 1329 TTAGTCAGTGGCAATTAGAAAGCGCTGGATGCGCTGCTATTAAATTAGTTCTCTC 1388
DB 57954 TTAACAAGAGGAAACAGAGAGATTGGATTGTTTTCGCATTGTTGTTGTTT 58013
QY 1389 TTCTGAGACAGAGTCTCACTGTGTGCGCCAGGCTAGTCTCAAACTGGCGTCCATTGTC 1448
DB 58014 TAAAGAGACAAAGTCTCACTGTGTGCGCCAGGCTAGACTAGAACTCTCATCTGTTT 58073

QY 2078 GGAGGTTTCATCGGTTTCAATGTCGGTATCCTTTTGAAGACCTTGAAGTGGCAACGC 2137
DB 241 GGAGGTTTCATCGGTTTCAATGTCGGTATCCTTTTGAAGACCTTGAAGTGGCAACGC 300
QY 2138 AGGAAACAGGAACCTCCACCCCTGGTCCGTGAATTCAGAGCTGTTGTTGTTGTTGTA 2197
DB 301 AGGAAACAGGAACCTCCACCCCTGGTCCGTGAATTCAGAGCTGTTGTTGTTGTTGTA 360
QY 2198 CCATCTGCCCATCTCTCCGTTATGACAGAGCTGTGAACTTTAACTGGGACTGGGSCAA 2257
DB 361 CCATCTGCCCATCTCTCCGTTATGACAGAGCTGTGAACTTTAACTGGGACTGGGSCAA 420
QY 2258 AGTCAATCCACCTTTATACAATGAATGCTGAAGAGGCCCTTTTAAACTTGGAGTGC 2317
DB 421 AGTCAATCCACCTTTATACAATGAATGCTGAAGAGGCCCTTTTAAACTTGGAGTGC 480
QY 2318 ATTGTTATGGAAGGCTTTCCTATTGGATC 2348
DB 481 ATTGTTATGGAAGGCTTTCCTATTGGATC 511

RESULT 2

US-09-933-797-75
Sequence 75, Application US/09933797
Patent No. US20020155119A1
GENERAL INFORMATION:

APPLICANT: Robert A. Sikes et al.
TITLE OF INVENTION: Isolation and Use of Fetal Urogenital
Sinus Expressed Sequences
FILE REFERENCE: 9901-007-999
CURRENT APPLICATION NUMBER: US/09/933,797
CURRENT FILING DATE: 2001-08-22
PRIOR APPLICATION NUMBER: US/09/482,933
PRIOR FILING DATE: 2000-01-14
PRIOR APPLICATION NUMBER: PCT/US99/10746
PRIOR FILING DATE: 1999-05/14
PRIOR APPLICATION NUMBER: 60/085,383
PRIOR FILING DATE: 1998-05-14
NUMBER OF SEQ ID NOS: 811
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 75
LENGTH: 389
TYPE: DNA
ORGANISM: Murine
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(389)
OTHER INFORMATION: n = A,T,C or G
US-09-933-797-75

Query Match 2.3%; Score 55.2; DB 9; Length 389;
Best Local Similarity 61.3%; Pred. No. 6.1e-05;
Matches 87; Conservative 0; Mismatches 55; Indels 0; Gaps 0;

QY 1393 GAGACAGAGTCTCACTGTGTGCGCCAGGCTAGTCTCAAACTTGGCGTCAATTGCTCAC 1452
DB 24 GAGGANNCTCTCACTATATGCTAAGCTATCTCTGGAACCTGCGATCTCTCTCTCAG 83
QY 1453 TCATCAGAACTCTGGGCTTCAGGTGTGTGCACACACTAGTCTCGGTTTAAAGCT 1512
DB 84 CTTTCCAAAGTCTAGGACTACAGGTGTGTGCATCTCCACTATCAGGCCCTCACTTGTAGAT 143
QY 1513 AAGAGCTGGAGATCCTGATGT 1534
DB 144 GGAACAGAGAGTGGCCCATCT 165

RESULT 3

US-09-764-868-1508/c
Sequence 1508, Application US/09764868
Patent No. US20020168711A1
GENERAL INFORMATION:

;; PRIOR APPLICATION NUMBER: 60/225,758
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/220,963
;; PRIOR FILING DATE: 2000-07-26
;; PRIOR APPLICATION NUMBER: 60/217,496
;; PRIOR FILING DATE: 2000-07-11
;; PRIOR APPLICATION NUMBER: 60/225,447
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/218,290
;; PRIOR FILING DATE: 2000-07-14
;; PRIOR APPLICATION NUMBER: 60/225,757
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/226,868
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/216,647
;; PRIOR FILING DATE: 2000-07-07
;; PRIOR APPLICATION NUMBER: 60/225,267
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/216,880
;; PRIOR FILING DATE: 2000-07-07
;; PRIOR APPLICATION NUMBER: 60/225,270
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/251,869
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/235,834
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: 60/234,274
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: 60/234,223
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: 60/228,924
;; PRIOR FILING DATE: 2000-08-30
;; PRIOR APPLICATION NUMBER: 60/224,518
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/236,369
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/224,519
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/220,964
;; PRIOR FILING DATE: 2000-07-26
;; PRIOR APPLICATION NUMBER: 60/241,809
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/249,299
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/236,327
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/241,785
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/244,617
;; PRIOR FILING DATE: 2000-11-01
;; PRIOR APPLICATION NUMBER: 60/225,268
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/236,368
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/251,856
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/251,868
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/229,344
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/234,997
;; PRIOR FILING DATE: 2000-09-25
;; PRIOR APPLICATION NUMBER: 60/229,343
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,345
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,287
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,513
;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/231,413
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/229,509

;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/236,367
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/237,039
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,038
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/236,370
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/236,802
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,037
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,040
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/240,960
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/239,935
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/239,937
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/241,787
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,474
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/246,532
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/249,216
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,210
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/226,681
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,759
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/225,213
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/227,182
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,214
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/235,836
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: 60/230,438
;; PRIOR FILING DATE: 2000-09-06
;; PRIOR APPLICATION NUMBER: 60/215,135
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: 60/225,266
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/249,218
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,208
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,213
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,212
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,207
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,245
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,244
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,217
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,211
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,215
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,264
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,214
;; PRIOR FILING DATE: 2000-11-17

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RESULT 9
US-09-764-860-752/c
: Sequence 752, Application US/09764860
: Patent No. US20020094953A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Peptides, and Polymers
: FILE REFERENCE: PC008
: CURRENT APPLICATION NUMBER: US/09/764860
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - consistent with USPTO
: NUMBER OF SEQ ID NOS: 1198
: SOFTWARE: Patent Ver. 2.0
: SEQ ID NO 752
: LENGTH: 5409
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-764-860-752

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Query Match          1.9%; Score 44.8; DB 10; Length 5409;
Best Local Similarity 69.3%; Pred. NO. 0.29;
Matches 61; Conservative 0; Mismatches 27; Indels 0;
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Db 6369 CCAGCTAAATTTTTTTTATTATTATATATAGACACAGGGTCTCAGTATGTTGCCAGGCT 6428
QY 1423 AGTCTCAAACTTCGGGTC 1440
Db 6429 GGTCTCAAACTCCTGGGC 6446

RESULT 12

US-09-764-869-2130
; Sequence 2130, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2130
; LENGTH: 10739
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-2130

Query Match 1.9%; Score 44.4; DB 10; Length 10739;
Best Local Similarity 73.1%; Pred. No. 0.59; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 21; Indels 0; Gaps 0;
QY 1363 CCTGCTATTAAATAGTATTCTTCTCTGAGACAGAGTCTCAGTGTGGCCAGGCT 1422
Db 6369 CCAGCTAAATTTTTTTTATTATTATATATAGACACAGGGTCTCAGTATGTTGCCAGGCT 6428

QY 1423 AGTCTCAAACTTCGGGTC 1440
Db 6429 GGTCTCAAACTCCTGGGC 6446

RESULT 13

US-102-627-100/C
; Sequence 100, Application US/10102627
; Publication No. US20030054377A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT224C1
; CURRENT APPLICATION NUMBER: US/10/102,627
; CURRENT FILING DATE: 2002-03-22
; NUMBER OF SEQ ID NOS: 110
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 100
; LENGTH: 9968
; TYPE: DNA
; ORGANISM: Homo sapiens
US-102-627-100

Query Match 1.9%; Score 44.2; DB 9; Length 9968;
Best Local Similarity 71.6%; Pred. No. 0.63; Indels 0; Gaps 0;
Matches 58; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
QY 1350 GCCTGGATGCTCGCTGCTATTAAATAGTATTCTCTCTGAGACAGAGTCTCAGT 1409
Db 6256 GCCAGGATGTTCTCTTATTATCTTTTCTTTTCTTTTGTGAGACAGAGTCTCAGT 6197
QY 1410 TGTGCCCCAGGCTAGTCTCAA 1430
Db 6196 TGTACCCAGGCTGGAGTGAA 6176

RESULT 14

US-10-125-540-598

; Sequence 598, Application US/10125540
; Publication No. US20030059875A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT214C1
; CURRENT APPLICATION NUMBER: US/10/125,540
; CURRENT FILING DATE: 2002-04-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 646
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 598
; LENGTH: 20210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-125-540-598

Query Match 1.9%; Score 44.2; DB 9; Length 20210;
Best Local Similarity 60.3%; Pred. No. 1;
Matches 73; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
QY 1356 ATGCTGCTGCTGCTATTAAATAGTATTCTCTCTGAGACAGAGTCTCAGTGTGGC 1415
Db 16471 AAGTCTGGGGCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 16530
QY 1416 CCAGGCTAGTCTCAAACTTGGCGTCCATTTGCTCTCAGTCTCATCAGAAATGGGCTTCCAG 1475
Db 16531 CCAGGCGGAGTGGCGAGTGCAGTGGCGCAATCTCGGCTCAGTGCAGCTCCGCTTCCCG 16590
QY 1476 G 1476
Db 16591 G 16591

RESULT 15

US-09-764-870-598
; Sequence 598, Application US/09764870
; Patent No. US20020042386A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT214
; CURRENT APPLICATION NUMBER: US/09/764,870
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 646
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 598
; LENGTH: 20210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-870-598

Query Match 1.9%; Score 44.2; DB 10; Length 20210;
Best Local Similarity 60.3%; Pred. No. 1;
Matches 73; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
QY 1356 ATGCTGCTGCTGCTATTAAATAGTATTCTCTCTGAGACAGAGTCTCAGTGTGGC 1415
Db 16471 AAGTCTGGGGCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 16530
QY 1416 CCAGGCTAGTCTCAAACTTGGCGTCCATTTGCTCTCAGTCTCATCAGAAATGGGCTTCCAG 1475
Db 16531 CCAGGCGGAGTGGCGAGTGCAGTGGCGCAATCTCGGCTCAGTGCAGCTCCGCTTCCCG 16590
QY 1476 G 1476
Db 16591 G 16591

Search completed: June 16, 2003, 20:06:32
Job time : 323.472 secs

Db 84 AACATCAGACGAGCTCTCTCGCTTAGAAAAAGCTTTATTAGGTTTTTACAAACACAACTGTA 143

QY 423 AAGTCAATCCCAACCTTTATACAATGAATGCTGAAGAGGCCCTTTTAAAACTTGGAGTGTG 482
 |||| || |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||

Db 144 CAGTGATTAACAACCTCCTATTATAGCTCGTTTTTAGAGACTATCTGGAAGATGGGTGAGTG 203

QY 483 CATTG 487
 |||||

Db 204 CATTG 208

RESULT 2
 US-09-228-986-7
 ; Sequence 7, Application US/09228986
 ; Patent No. 6359198
 ; GENERAL INFORMATION:
 ; APPLICANT: Strabala, Timothy
 ; APPLICANT: Nieuwenhuizen, Niels
 ; TITLE OF INVENTION: Compositions Isolated from Plant Cells
 ; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling
 ; FILE REFERENCE: 11000/1020
 ; CURRENT APPLICATION NUMBER: US/09/228,986
 ; CURRENT FILING DATE: 1999-01-12
 ; NUMBER OF SEQ ID NOS: 130
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 7
 ; LENGTH: 2432
 ; TYPE: DNA
 ; ORGANISM: Pinus radiata
 US-09-228-986-7

Query Match 5.8%; Score 29.8; DB 4; Length 2432;
 Best Local Similarity 51.18; Pred. No. 5,7;
 Matches 70; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

QY 230 TGAGATCATCAGATGGAGGTTTCATCGGGTTTTCAATGTCGCCGTATGCTTTTGAAGACCTT 289
 ||||| || || |||| || |||| || |||| || |||| || |||| |||| |||| |||| ||||

Db 121 TGAGTTATTTCTTGATACCTTATCTGTACTGTGATGTTTACCTGATGCAATTTCAAGATCTT 180

QY 290 GAAGTTGGCAAGCAGGAGAAACAGAACTCCACCTGTGCGCTGAATTGCAGAGCTGTT 349
 |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||

Db 181 GTTTGATGCAAGAGAGAGAAAATTAAGTCCTCTTTTCATATGTTGACTGCCTTTCTGTT 240

QY 350 GTGTTGGTTTGTGACCA 366
 || || || || ||||

Db 241 ATTGTGCTTCACTACCA 257

RESULT 3
 US-09-328-111-751
 ; Sequence 751, Application US/09328111
 ; Patent No. 6262333
 ; GENERAL INFORMATION:
 ; APPLICANT: Endege, Wilson O.
 ; APPLICANT: Steinmann, Kathleen E.
 ; APPLICANT: Astle, Jon H.
 ; APPLICANT: Burgess, Christopher C.
 ; APPLICANT: Bushnell, Steven E.
 ; APPLICANT: Carroll III, Eddie
 ; APPLICANT: Catino, Theodore J.
 ; APPLICANT: Derti, Adnan
 ; APPLICANT: Ford, Donna M.
 ; APPLICANT: Lewis, Marcia E.
 ; APPLICANT: Monahan, John E.
 ; APPLICANT: Schlegel, Robert
 ; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
 ; TITLE OF INVENTION: PRODUCTS
 ; FILE REFERENCE: CCD-257 (US)
 ; CURRENT APPLICATION NUMBER: US/09/328,111
 ; CURRENT FILING DATE: 1999-06-08
 ; EARLIER APPLICATION NUMBER: US 60/088,801
 ; EARLIER FILING DATE: 1998-06-10
 ; NUMBER OF SEQ ID NOS: 850

; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; CURRENT FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16
; LENGTH: 152331
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(152331)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-16

Query Match 5.7%; Score 29.6; DB 3; Length 152331;
Best Local Similarity 51.5%; Pred. No. 65;
Matches 68; Conservative 0; Mismatches 64; Indels 0; Gaps 0;
Qy 158 AGGAGTTTTCATTAATCAGCAATTTAGTCAGATCTGTGCATCCTTAATGCTTTTACAGAAA 217
Db 25835 ATGCTGAAGTCATTCTTTCTGCATGTAAGGAGAAATGCTCTTACTATTTTAAAAACAGA 25776
Qy 218 TGTCAGTGGCCTGAGATCATCAGATGGAGGTTTCATCGGTTTCAATGTCCTCGGTATCCTT 277
Db 25775 AAGGAGAGGGTTTATGGAGATTACAGACAGGATCTTCTTGATACGAATGTTATTCATCAAT 25716
Qy 278 TTGTAAGACCTT 289
Db 25715 TTAGAGATTTT 25704

RESULT 6
5248670-4/c
; Patent No. 5248670
; APPLICANT: DRAPER, KENNETH G.; ECKER, DAVID J.; MIRABELLI,
; CHRISTOPHER K.; CROOKE, STANLEY T.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR
; INHIBITING HERPESVIRUS
; NUMBER OF SEQUENCES: 15
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/485,297
; FILING DATE: 26-FEB-1990
; SEQ ID NO:4
; LENGTH: 3688
5248670-4

Query Match 5.7%; Score 29.2; DB 6; Length 3688;
Best Local Similarity 57.8%; Pred. No. 11;
Matches 52; Conservative 0; Mismatches 38; Indels 0; Gaps 0;
Qy 340 CAGAGCTGTGTGTGTGTGTGTGACCATCTGCCCATCTTCTCCTGTATATGACAGAGCTGT 399
Db 1515 CAGGGGTTTGAACCCGTTAAACGAGCGCGCTGCATACTCCCTCAGATGATAGGCGGTGT 1456
Qy 400 GAACCTTAACCTGGAGCTGGGGCAAGTCAA 429
Db 1455 ATGCGTTGGGGGACCGGGGAAGGTCCA 1426

RESULT 7
US-09-516-352A-3
; Sequence 3, Application US/09516352A
; Patent No. 6365127
; GENERAL INFORMATION:
; APPLICANT: Kourides, Ione A
; APPLICANT: Whitfield, Graham K
; TITLE OF INVENTION: ISOLATION OF A GENE ENCODING HUMAN THYROTROPIN BETA

; TITLE OF INVENTION: SUBUNIT
; FILE REFERENCE: 25605-2B
; CURRENT APPLICATION NUMBER: US/09/516,352A
; CURRENT FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 08/957,545
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 08/006,208
; PRIOR FILING DATE: 1993-01-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 511
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (164)..(418)
US-09-516-352A-3

Query Match 5.6%; Score 29; DB 4; Length 511;
Best Local Similarity 49.7%; Pred. No. 4.4;
Matches 74; Conservative 0; Mismatches 75; Indels 0; Gaps 0;
Qy 325 TGGTGCCGTGAATTCAGAGCTGTGTGTGGTTTGTGACCATCTGCCCATTTCTCTGT 384
Db 223 TAGAGACTTTCATCTACAGGACTGTAGAAATACCAAGATGCCCACTCCCATGTGCTCCCTA 282
Qy 385 TATGACAGAGCTTGTGAACCTTTAACTGGGACTGGGCAAAAGTCAATCCCACCTTTATACA 444
Db 283 TTTTTCCTATCCTCTTCTTTAAGCTTAAGTGTGGCAAGTGAAGTCAACTACTGACTATAGTGA 342
Qy 445 ATGAATTCGCTGAAGAGGCTTTTAAAACT 473
Db 343 CTGCATACATGAAGCCATCAAGACAACT 371

RESULT 8
US-09-480-921B-24/c
; Sequence 24, Application US/09480921B
; Patent No. 6387637
; GENERAL INFORMATION:
; APPLICANT: Levin, Joshua Z.
; APPLICANT: Budziszewski, Gregory J.
; APPLICANT: Potter, Sharon L.
; APPLICANT: Wegrich, Lynette M.
; TITLE OF INVENTION: Herbicide Target Genes and Methods
; FILE REFERENCE: PB/5-30780A
; CURRENT APPLICATION NUMBER: US/09/480,921B
; CURRENT FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 5077
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-480-921B-24

Query Match 5.6%; Score 29; DB 4; Length 5077;
Best Local Similarity 53.0%; Pred. No. 16;
Matches 62; Conservative 0; Mismatches 55; Indels 0; Gaps 0;
Qy 396 TTGTGAACCTTTAACTGGGACTGGGCAAAAGTCAATCCCACCTTTATACAATGAATTTGTG 455
Db 4496 TAGTGATATCAACAAGAATCAGAAAAGTAAACGCAAAATTTACTTCAATAGAGA 4437
Qy 456 AAGAGCCCTTTTAAACTTGGAGTGTGATTTTATGGAAGGCTTTCCTATTGGA 512
Db 4436 AATAAGAATGCCAAAAGTTATGTCTCAAGTTTTCATGTTTACATGGGCTTTCTTATGTA 4380

RESULT 9
US-09-325-932A-21
; Sequence 21, Application US/09325932A

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; Patent No. 6451604
; GENERAL INFORMATION:
; APPLICANT: Flinn, Barry
; APPLICANT: Lasham, Annette
; TITLE OF INVENTION: Compositions affecting programmed cell
; TITLE OF INVENTION: death and their use in the modification of forestry plant develop
; FILE REFERENCE: 1022
; CURRENT APPLICATION NUMBER: US/09/325,932A
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 206
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 21
; LENGTH: 704
; TYPE: DNA
; ORGANISM: Pinus radiata
; US-09-325-932A-21

Query Match          5.6%; Score 28.8; DB 4; Length 704;
Best Local Similarity 58.0%; Pred. No. 6.2;
Matches 51; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 391 AGAGCTTGTAACCTTTAACTGGGACTGGGCAAGTCAATCCACCTTTATACAATGAAT 450
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 143 AGAAGATCTCAACAAATTATAGTGCAGTTCCAAATACCGACCCCATCTGAGACTCTGAAC 202
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 451 TGCTGAGAGAGCGCTTTTAAACTTTGGAG 478
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 203 GCCTGAGGAGGCTTTTGAAGGGTGGG 230

RESULT 10
US-09-032-365A-64
; Sequence 64, Application US/09032365A
; Patent No. 6114502
; GENERAL INFORMATION:
; APPLICANT: No. 6114502th, Michael
; APPLICANT: Nishina, Patsy
; APPLICANT: Naggart, Juergen
; APPLICANT: No. 6114502en-Trauth, Konrad
; TITLE OF INVENTION: GENE FAMILY ASSOCIATED WITH
; TITLE OF INVENTION: NEUROSENSORY DEFECTS
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Avenue, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/032.365A
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-2CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3400
; TELEFAX: 650 327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 64:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2088 base pairs
; TYPE: nucleic acid
```

```
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-09-032-365A-64

Query Match          5.6%; Score 28.8; DB 3; Length 2088;
Best Local Similarity 50.7%; Pred. No. 11;
Matches 69; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

QY 67 GTACACAGCATGATAAAGACAAATGGGACGGGTACAGTGGCTCCCGTCCCTTTTCAGGG 126
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 71 GTGTGAGGGGTCTTAGAGAAATATGCCCTAAACGGAATGGCTTAAGCCCTGTTCCCTGGG 130
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 127 GTATGGAGACGAGCTGTAGAGAGATGTCTCCAGGAGTTTTCATTAAATCAGCAATTTAGT 186
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Db 131 AAAGTGGCCCGAGGAGGTAGAACTGTCTTAGGAAATGATCCTCTTCTAGCAAGTGCCT 190
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QY 187 CAGATCTGTGCATCCT 202
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 191 AGGCCCTTGGCATCCT 206

RESULT 11
US-09-392-184-7
; Sequence 7, Application US/09392184
; Patent No. 6395889
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: PROTEASE HOMOLOGS
; FILE REFERENCE: 5800-55
; CURRENT APPLICATION NUMBER: US/09/392.184
; CURRENT FILING DATE: 1999-09-09
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 3126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(3126)
; OTHER INFORMATION: reprotolysin (ADAM family of metalloprotease)
; US-09-392-184-7

Query Match          5.6%; Score 28.6; DB 4; Length 3126;
Best Local Similarity 52.0%; Pred. No. 17;
Matches 64; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 310 ACAGGAACCTCCACCCCTGGTCCCGTGAATTCAGAGCTGTGTGTGGTTTGTGACCATCT 369
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 415 ACTTGAACCCGAGCAAGGTCCACTCCACTGGACAGTTGATCATAGGGTCTGCCGCCCAT 474
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 370 GCCCATTCCTCCTGTTATGACAGAGCTGTGAACCTTAACTGGGAGCTGGGCAAGTCAA 429
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 475 ACCCTCTCTCTTCCCTCTTAGGAATTTGTGCAGTACTGGAGGGGTTCGCGCAATGGAG 534
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 430 TCC 432
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Db 535 GCC 537
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```
RESULT 12
US-09-641-638-620/c
; Sequence 620, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bouqueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; TITLE OF INVENTION: GENES INVOLVED IN ARACHIDONIC ACID METABOLISM
```



```

;
; TOPOLOGY: linear
;
; MOLECULE TYPE: cDNA
;
; HYPOTHETICAL: NO
;
; ORIGINAL SOURCE:
; ORGANISM: mouse
;
; SEQUENCE DESCRIPTION:
US-09-052-089A-8

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Query Match	5.5%;	Score 28.4;	DB 4;	Length 1975;
Best Local Similarity	46.5%;	Pred. No.15;		
Matches	92;	Conservative	0;	Mismatches 106; Indels 0; Gaps 0;
QY	274	CTTTTGTAAAGCCTTTGAAGTTGGCAACGAGGAAACAGAGAACTCCACCTGGTGCCGT	333	
Db	481	CGTCTGTAGGGACTCCCGTAGCATTGGCTTCTCCAGGGTCTCCGTAGAGTGTCGA	422	
QY	334	GAATTCGACAGCTGTTGTGTTTGTGACCAATCTGCCCATCTTCTCTGTTATGACAGA	393	
Db	421	TAATGGCCTGGCTGTCCCGTTTCTCCGTGCTTCTTCTGGGAAGCTGAGCTTTGACGCTGT	362	
QY	394	CGTTTGTGAATTTTAACTGGGAGTGGGCAAGTCAATCCCACTTTATACAATGAATTCG	453	
Db	361	CCAGTTCATCTTTAAGAATCTGCATCCAGACATTTCTCCTCTCTGGCGAGGTCAA	302	
QY	454	TGAAGAGCGCTTTTAAAA	471	
Db	301	AGAAAAGTTGTATTAA	284	

RESULT 15

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US-08-434-255-27/C
: Sequence 27, Application US/08434255
: Patent No. 5621089
:
: GENERAL INFORMATION:
:
: APPLICANT: Sloma, Alan P.
: APPLICANT: Outtrup, Helle
: APPLICANT: Dammann, Claus
: APPLICANT: Aaslyng, Dorrit
:
: TITLE OF INVENTION: ALKALINE PROTEASE
:
: NUMBER OF SEQUENCES: 27
:
: CORRESPONDENCE ADDRESS:
:
: ADDRESSEE: No. 5621089o No. 5621089disk of No. 5621089th America, Inc.
:
: STREET: 405 Lexington Avenue, 64th Floor
:
: STATE: New York
:
: CITY: New York
:
: COUNTRY: USA
:
: ZIP: 10174-6401
:
: COMPUTER READABLE FORM:
:
: MEDIUM TYPE: Floppy disk
:
: COMPUTER: IBM PC compatible
:
: OPERATING SYSTEM: PC-DOS/MS-DOS
:
: SOFTWARE: PatentIn Release #1.0, Version #1.30
:
: CURRENT APPLICATION DATA:
:
: APPLICATION NUMBER: US/08/434.255
:
: FILING DATE:
:
: CLASSIFICATION: 435
:
: ATTORNEY/AGENT INFORMATION:
:
: NAME: Agris Dr., Cheryl H.
:
: REGISTRATION NUMBER: 34,086
:
: REFERENCE/DOCKET NUMBER: 3764.400-US
:
: TELECOMMUNICATION INFORMATION:
:
: TELEPHONE: 212-867-0123
:
: TELEFAX: 212-878-9655
:
: INFORMATION FOR SEQ ID NO: 27:
:
: SEQUENCE CHARACTERISTICS:
:
: LENGTH: 2017 base pairs
:
: TYPE: nucleic acid
:
: STRANDEDNESS: single
:
: TOPOLOGY: linear
:
: US-08-434-255-27

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Query Match	5.5%	Score 28.4;	DB 1;	Length 2017;
Best Local Similarity	54.9%	Pred. No. 15;		

	Matches	56;	Conservative	0;	Mismatches	46;	Indels	0;	Gaps	0;
Qy	355	GGTTTGACCACTCGCCCA	TTCTCCTGTTATGACAGAGCTGTGTGAAC	TTTAACTGGGA	414					
Db	423	GCCTTTGTACAGACAAACCT	CTGTGCTTTTTTGATACACCATCTTTGAA	TTGAA	TTGACGATGA	364				
Qy	415	CTGGGGCAAGTCAATCCCA	CTTTATACAAATGAATGCTGA	456						
Db	363	CTTCACCGGATTCGAAGCGCC	TTATFCCAAGTTTGTGTA	322						

Search completed: June 16, 2003, 14:00:02
Job time : 33.2544 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:47:07 ; Search time 69.8225 Seconds
(without alignments)
10680.673 Million cell updates/sec

Title: US-09-445-201-1_COPY_10094_10608

Perfect score: 515

Sequence: 1 tttaaagtgtgtcttag.....agggtcttctattggtacc 515

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_NA:*

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3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*

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14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	511	99.2	511	10	US-09-738-968-35
2	39.4	7.7	735	9	US-09-938-842A-547
3	34	6.6	617	10	US-09-770-149-823
4	32.2	6.3	6405	9	US-09-832-292-26
5	31.8	6.2	930	9	US-10-198-846-12548
6	31.4	6.1	1484	9	US-09-764-868-429
7	31.4	6.1	249487	9	US-10-026-188-3
8	30.8	6.0	463	10	US-09-864-761-305
9	30.8	6.0	473	9	US-09-918-995-28190
10	30.6	5.9	772	10	US-09-864-761-17122
11	30.6	5.9	314	10	US-09-956-004-41
12	30	5.8	8883	10	US-09-905-129-1
13	30	5.8	8883	10	US-09-905-129-5
14	30	5.8	8883	10	US-09-905-129-7
15	30	5.8	8883	10	US-09-991-630-1
16	30	5.8	8883	10	US-09-991-630-5
17	30	5.8	8883	10	US-09-991-630-7
18	29.8	5.8	2432	9	US-10-101-464A-7
19	29.6	5.7	440	9	US-10-184-644-442

c	20	29.6	5.7	440	9	US-10-184-634-442	Sequence 442, App
	21	29.6	5.7	455	9	US-09-918-995-28009	Sequence 28009, A
	22	29.6	5.7	568	10	US-09-879-536-751	Sequence 751, App
c	23	29.6	5.7	152331	9	US-10-095-407-16	Sequence 16, Appl
	24	29.4	5.7	1834	9	US-10-208-408-44	Sequence 44, Appl
	25	29	5.6	954	9	US-09-738-626-1210	Sequence 1210, Ap
c	26	29	5.6	1947	9	US-09-905-291A-184	Sequence 184, App
	27	29	5.6	1947	9	US-09-902-853-184	Sequence 184, App
c	28	29	5.6	1947	9	US-09-907-824-184	Sequence 184, App
	29	29	5.6	1947	9	US-09-907-841-184	Sequence 184, App
c	30	29	5.6	1947	9	US-09-904-011-184	Sequence 184, App
	31	29	5.6	1947	9	US-09-906-742-184	Sequence 184, App
c	32	29	5.6	1947	9	US-09-906-838-184	Sequence 184, App
	33	29	5.6	1947	9	US-09-907-613-184	Sequence 184, App
c	34	29	5.6	1947	9	US-09-907-942-184	Sequence 184, App
	35	29	5.6	1947	9	US-09-904-820-184	Sequence 184, App
c	36	29	5.6	1947	9	US-09-904-859-184	Sequence 184, App
	37	29	5.6	1947	9	US-09-909-204-184	Sequence 184, App
c	38	29	5.6	1947	9	US-09-904-786-184	Sequence 184, App
	39	29	5.6	1947	9	US-09-906-646-184	Sequence 184, App
c	40	29	5.6	1947	9	US-09-906-700-184	Sequence 184, App
	41	29	5.6	1947	9	US-09-902-903-184	Sequence 184, App
c	42	29	5.6	1947	9	US-09-903-749A-184	Sequence 184, App
	43	29	5.6	1947	9	US-09-903-786-184	Sequence 184, App
c	44	29	5.6	1947	9	US-09-902-736-184	Sequence 184, App
	45	29	5.6	1947	9	US-09-904-119-184	Sequence 184, App

ALIGNMENTS

RESULT 1

US-09-738-968-35
Sequence 35, Application US/09738968
Patent No. US20010037016A1
GENERAL INFORMATION:
APPLICANT: Zhang, Ning
APPLICANT: Purchio, Anthony
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR SCREENING FOR ANGIOGENESIS
FILE REFERENCE: 9400-0012.20
CURRENT APPLICATION NUMBER: US/09738, 968
CURRENT FILING DATE: 2001-05-11
PRIOR FILING DATE: 1999-12-16
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 35
LENGTH: 511
TYPE: DNA
ORGANISM: Mus sp.
US-09-738-968-35

Query Match	99.2%	Score 511	DB 10	Length 511
Best Local Similarity	100.0%	Pred. No. 5.7e168		
Matches 511	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	4	AAATGTGCTCTCTTTAGAACCCACTGCCTCAGCTTCTGCAGCTCAGATACCAAGGAAGT	63	
Db	1	AAATGTGCTCTCTTTAGAACCCACTGCCTCAGCTTCTGCAGCTCAGATACCAAGGAAGT	60	
QY	64	CTGGTACACAGCATGATAAAGACAATGGACGGGTTCACAGTGGCTCCGCTCCCTTTCA	123	
Db	61	CTGGTACACAGCATGATAAAGACAATGGACGGGTTCACAGTGGCTCCGCTCCCTTTCA	120	
QY	124	GGGTATGGACAGCAGCTGTAGAGATGTCTCAGGAGTCTTTCATTAATCAGCAATTT	183	
Db	121	GGGTATGGACAGCAGCTGTAGAGATGTCTCAGGAGTCTTTCATTAATCAGCAATTT	180	
QY	184	AGTCAGATCTGTCATCCTATGCTTTACAAGAAATGTTCAGTGGGCTTCAGATCATCATGAT	243	
Db	181	AGTCAGATCTGTCATCCTATGCTTTACAAGAAATGTTCAGTGGGCTTCAGATCATCATGAT	240	

QY 244 GGAGTTTCATCGGGTTTCAATGTCCTGATCCCGTATCCTTTTGTAAACACCTTGAAGTTGGCAACGC 303
|||||
Db 241 GGAGTTTCATCGGGTTTCAATGTCCTGATCCCGTATCCTTTTGTAAACACCTTGAAGTTGGCAACGC 300
|||||
QY 304 AGAAAAACAGAACTCCACCCCTGGTCCGCGTAATGCGAGAGCTGTGTGGTTTGTGA 363
|||||
Db 301 AGAAAAACAGAACTCCACCCCTGGTCCGCGTAATGCGAGAGCTGTGTGGTTTGTGA 360
|||||
QY 364 CCATCTGCCATCTTCTCTGTTATGACAGAGCTTGTGAACCTTAACTGGGACTGGGGCAA 423
|||||
Db 361 CCATCTGCCATCTTCTCTGTTATGACAGAGCTTGTGAACCTTAACTGGGACTGGGGCAA 420
|||||
QY 424 AGTCAATCCACACCTTTATACAAATGAATGCTGAAGAGGCCCTTTAAACTTTGGAGTGTGC 483
|||||
Db 421 AGTCAATCCACACCTTTATACAAATGAATGCTGAAGAGGCCCTTTAAACTTTGGAGTGTGC 480
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QY 484 ATTGTTTATGAAGGGCTTTCCCTATTGGATC 514
|||||
Db 481 ATTGTTTATGAAGGGCTTTCCCTATTGGATC 511
|||||

RESULT 2

US-09-938-842A-547/c
; Sequence 547, Application US/09938842A
; Patent No. US20020160378A1

GENERAL INFORMATION:

; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SAME, AND METHODS OF USE
; CURRENT APPLICATION NUMBER: US/09/938,842A
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 547
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-547

Query Match

Best Local Similarity 7.7%; Score 39.4; DB 9; Length 735;
Matches 52; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 187 CAGATCTGTCATCCTATGCTTTACAGAAATGTCAAGTGGCCCTCAGATCATCAGATGA 246
|||||
Db 227 CAGCTCTGCATCTTCAGCACAACCAAAATGCCGGTGGTCCAGTTTTCATCAGAGGA 168
|||||
QY 247 GGTTCATCGGGTT 259
|||||
Db 167 GGTTCATAGGTTT 155
|||||

RESULT 3

US-09-770-149-823
; Sequence 823, Application US/09770149
; Patent No. US20020059663A1

GENERAL INFORMATION:

; APPLICANT: Goriach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang

; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Kriker, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2024 (PARA-013PRV)
; CURRENT APPLICATION NUMBER: US/09/770,149
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,506
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 823
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-149-823

Query Match

Best Local Similarity 6.6%; Score 34; DB 10; Length 617;
Matches 76; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 203 ATGCTTTACAGAAATGTCAAGTGGCCCTGAGATCATCAGATGGAGGTTTCATCGGGTTTCA 262
|||||
Db 72 AAGCTATTGGAGAACATCTTCATGCAATGGCTCAATCCGTGGACGAGCAGCTTGTGTA 131
|||||
QY 263 ATGTCCTGATCCTTTTGTAAAGACCTTGAAGTTGGCAACGAGAAACAGGAACTCCAC 322
|||||
Db 132 GTTTCACAGGTTCTTCTTCAGATTAACATTAAGTTGTTATGAAGATTTGTCAACACCCAG 191
|||||
QY 323 CCTGTGCGCTGAATTCAGAGAGCTGT 348
|||||
Db 192 GTTTCGCTTTTAATGCGCAACCTGT 217
|||||

RESULT 4

US-09-832-292-26
; Sequence 26, Application US/09832292
; Patent No. US20020177205A1

GENERAL INFORMATION:

; APPLICANT: Ryazanov, Alexey
; TITLE OF INVENTION: MAMMALIAN ALPHA-KINASE PROTEINS, NUCLEIC ACIDS AND
; FILE REFERENCE: 601-1-098CIP
; CURRENT APPLICATION NUMBER: US/09/832,292
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 09/632,131
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 6405
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-832-292-26

Query Match

Best Local Similarity 6.3%; Score 32.2; DB 9; Length 6405;
Matches 82; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

QY 292 AGTTGGCAACGCGAGAAACACGGAACCTCCACCTGTTGCGCTGAATTCGACAGCTGTTGT 351
|||||
Db 2017 AGTTATGGAAGAGGAAGAAAGAACCAACCAAGATCAATTTGTAGACATTTGATGATG 2076
|||||

Db 6347 ACTGAGGTGAATTTGGGTGAGAAATTTACTACTGAACCTGCTCAGCTACTGG 6396

RESULT 13

US-09-905-129-5

; Sequence 5, Application US/09905129

; Patent No. US20020137705A1

; GENERAL INFORMATION:

; APPLICANT: Einat, et al

; TITLE OF INVENTION: GENES ASSOCIATED WITH MECHANICAL STRESS, EXPRESSION PRODUCTS THERE

; FILE OF INVENTION: AND USES THEREOF

; FILE REFERENCE: 540579-2007.2

; CURRENT APPLICATION NUMBER: US/09/905,129

; CURRENT FILING DATE: 2001-07-13

; PRIOR APPLICATION NUMBER: 09/802,318

; PRIOR FILING DATE: 2001-03-08

; PRIOR APPLICATION NUMBER: 60/207,821

; PRIOR FILING DATE: 2000-05-30

; PRIOR APPLICATION NUMBER: 60/084,944

; PRIOR FILING DATE: 1998-05-11

; PRIOR APPLICATION NUMBER: 60/085,673

; PRIOR FILING DATE: 1998-05-15

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 5

; LENGTH: 8883

; TYPE: DNA

; ORGANISM: rattus sp

; NAME/KEY: misc_feature

; LOCATION: (1)..(8916)

; OTHER INFORMATION: n can be any amino acid

US-09-905-129-5

Query Match 5.8%; Score 30; DB 10; Length 8883;
Best Local Similarity 54.5%; Pred. No. 44;
Matches 60; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 402 ACTTTAACTGGAGTGTGCATTTATGGAAGGCTTTTCCTATTGG 511

Db 6287 ATTCTTACTGTGGAGAGGGAGAGACAATCCCGAGATAGAACTGCCCTCTCAGAAATGG 6346

QY 462 CCTTTTAACTGGAGTGTGCATTTATGGAAGGCTTTTCCTATTGG 511

Db 6347 ACTGAGGTGAATTTGGGTGAGAAATTTACTACTGAACCTGCTCAGCTACTGG 6396

RESULT 14

US-09-905-129-7

; Sequence 7, Application US/09905129

; Patent No. US20020137705A1

; GENERAL INFORMATION:

; APPLICANT: Einat, et al

; TITLE OF INVENTION: GENES ASSOCIATED WITH MECHANICAL STRESS, EXPRESSION PRODUCTS THERE

; FILE OF INVENTION: AND USES THEREOF

; FILE REFERENCE: 540579-2007.2

; CURRENT APPLICATION NUMBER: US/09/905,129

; CURRENT FILING DATE: 2001-07-13

; PRIOR APPLICATION NUMBER: 09/802,318

; PRIOR FILING DATE: 2001-03-08

; PRIOR APPLICATION NUMBER: 60/207,821

; PRIOR FILING DATE: 2000-05-30

; PRIOR APPLICATION NUMBER: 60/084,944

; PRIOR FILING DATE: 1998-05-11

; PRIOR APPLICATION NUMBER: 60/085,673

; PRIOR FILING DATE: 1998-05-15

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 7

; LENGTH: 8883

; TYPE: DNA

; ORGANISM: Rattus sp.

; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(8916)
; OTHER INFORMATION: 'n' can be any nucleotide 'a', 'c', 'g' or 't'.
US-09-905-129-7

Query Match 5.8%; Score 30; DB 10; Length 8883;
Best Local Similarity 54.5%; Pred. No. 44;
Matches 60; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 402 ACTTTAACTGGAGTGTGCATTTATGGAAGGCTTTTCCTATTGG 511

Db 6287 ATTCTTACTGTGGAGAGGGAGAGACAATCCCGAGATAGAACTGCCCTCTCAGAAATGG 6346

QY 462 CCTTTTAACTGGAGTGTGCATTTATGGAAGGCTTTTCCTATTGG 511

Db 6347 ACTGAGGTGAATTTGGGTGAGAAATTTACTACTGAACCTGCTCAGCTACTGG 6396

RESULT 15

US-09-991-630-1

; Sequence 1, Application US/09991630

; Patent No. US20020151514A1

; GENERAL INFORMATION:

; APPLICANT: Einat, et al

; TITLE OF INVENTION: GENES ASSOCIATED WITH MECHANICAL STRESS, EXPRESSION PRODUCTS TH

; FILE OF INVENTION: AND USES THEREOF

; FILE REFERENCE: 540579-2007.3

; CURRENT APPLICATION NUMBER: US/09/991,630

; CURRENT FILING DATE: 2001-11-06

; PRIOR APPLICATION NUMBER: 09/905,129

; PRIOR FILING DATE: 2001-07-13

; PRIOR APPLICATION NUMBER: 09/802,318

; PRIOR FILING DATE: 2001-03-08

; PRIOR APPLICATION NUMBER: 09/729,485

; PRIOR FILING DATE: 2000-12-04

; NUMBER OF SEQ ID NOS: 28

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1

; LENGTH: 8883

; TYPE: DNA

; ORGANISM: Rattus species

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)..(8883)

; OTHER INFORMATION: 'n' can be any nucleotide 'a', 'c', 'g' or 't'.

US-09-991-630-1

Query Match 5.8%; Score 30; DB 10; Length 8883;
Best Local Similarity 54.5%; Pred. No. 44;
Matches 60; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 402 ACTTTAACTGGAGTGTGCATTTATGGAAGGCTTTTCCTATTGG 511

Db 6287 ATTCTTACTGTGGAGAGGGAGAGACAATCCCGAGATAGAACTGCCCTCTCAGAAATGG 6346

QY 462 CCTTTTAACTGGAGTGTGCATTTATGGAAGGCTTTTCCTATTGG 511

Db 6347 ACTGAGGTGAATTTGGGTGAGAAATTTACTACTGAACCTGCTCAGCTACTGG 6396

Search completed: June 16, 2003, 20:06:34
Job time : 71.8225 secs

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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:37:06 ; Search time 97.6924 Seconds
(without alignments)
5794.976 Million cell updates/sec

Title: US-09-445-201-l_COPY_11000_12845
Perfect score: 1846
Sequence: 1 aactagcatgtatgtata.....gctcgtaccggagcgtcgac 1846

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/ptodata/2/ina/5A-COMB.seq: *
2: /cgn2_6/ptodata/2/ina/5B-COMB.seq: *
3: /cgn2_6/ptodata/2/ina/6A-COMB.seq: *
4: /cgn2_6/ptodata/2/ina/6B-COMB.seq: *
5: /cgn2_6/ptodata/2/ina/PCTUS-COMB.seq: *
6: /cgn2_6/ptodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	176.4	9.6	2431	3	US-08-985-526-35
2	176.4	9.6	5406	1	US-07-813-593-3
3	176.4	9.6	5406	1	US-07-977-451-5
4	176.4	9.6	5406	1	US-07-946-507-3
5	176.4	9.6	5406	1	US-08-252-517-5
6	176.4	9.6	5406	1	US-07-906-397A-5
7	176.4	9.6	5406	1	US-08-601-891-5
8	176.4	9.6	5406	2	US-09-021-324-5
9	176.4	9.6	5406	5	PCT-US92-02750-7
10	176.4	9.6	5406	5	PCT-US92-05401-5
11	176.4	9.6	5406	5	PCT-US92-09893-5
12	176.4	9.6	5470	2	US-08-443-861-1
13	176.4	9.6	5470	4	US-08-193-829B-1
14	101.8	5.5	2264	1	US-08-232-538-16
15	101.8	5.5	2264	2	US-08-786-164-16
16	101.8	5.5	2292	4	US-09-142-956B-1
17	101.8	5.5	2383	1	US-08-232-538-18
18	101.8	5.5	2383	2	US-08-786-164-18
19	101.8	5.5	4071	4	US-09-098-707A-1
20	101.8	5.5	4071	4	US-09-483-539-1
21	101.8	5.5	4236	1	US-08-810-116-7
22	101.8	5.5	4236	2	US-07-930-548A-7
23	68	3.7	7218	1	US-08-232-463-14
24	43.4	2.4	7218	1	US-08-232-463-14
c 24	39.4	2.1	289	4	US-09-007-005-17
c 25	39.4	2.1	289	4	US-09-244-796-17
c 26	36.6	2.0	2553	4	US-09-309-487-25
27					

c 28	36.4	2.0	1293	4	US-09-078-294-10	Sequence 10, Appl
c 29	34.8	1.9	597	2	US-08-332-766A-19	Sequence 19, Appl
c 30	34.8	1.9	15977	4	US-09-608-285A-59	Sequence 59, Appl
c 31	34.8	1.9	28720	4	US-09-341-587-7	Sequence 7, Appl
c 32	34.6	1.9	2340	3	US-08-742-877-3	Sequence 3, Appl
c 33	34.6	1.9	2775	4	US-09-053-871A-22	Sequence 22, Appl
c 34	34.6	1.9	2802	3	US-08-742-877-1	Sequence 1, Appl
c 35	33.8	1.8	1377	2	US-08-810-572A-1	Sequence 1, Appl
c 36	33.8	1.8	1377	4	US-09-290-333-1	Sequence 1, Appl
c 37	33.6	1.8	6152	4	US-08-973-462-1	Sequence 1, Appl
c 38	33.4	1.8	1900	4	US-09-604-978-3	Sequence 3, Appl
c 39	33	1.8	1809	4	US-09-257-894-25	Sequence 25, Appl
c 40	33	1.8	1865	4	US-09-257-894-20	Sequence 20, Appl
c 41	33	1.8	2487	4	US-09-257-894-19	Sequence 19, Appl
c 42	33	1.8	2565	4	US-09-257-894-24	Sequence 24, Appl
c 43	33	1.8	2763	3	US-08-941-445A-16	Sequence 16, Appl
c 44	33	1.8	2772	4	US-09-257-894-12	Sequence 12, Appl
c 45	33	1.8	3166	4	US-09-341-587-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-985-526-35
; Sequence 35, Application US/08985526
; Patent No. 6080728
; GENERAL INFORMATION:
; APPLICANT: Mixson, James A
; TITLE OF INVENTION: CARRIER:DNA COMPLEXES CONTAINING DNA
; TITLE OF INVENTION: ENCODING ANTI-ANGIOGENIC PEPTIDES AND THEIR USE IN GENE
; TITLE OF INVENTION: THERAPY
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Connolly, Bove, Lodge, & Hutzel
; STREET: 1220 Market Street, P.O. Box 2207
; CITY: Wilmington
; STATE: Delaware
; COUNTRY: U.S.A.
; ZIP: 19899
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,526
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/608,845
; FILING DATE: 16-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: McMorro Jr., Robert G
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (302) 658-9141
; TELEFAX: (302) 658-5613
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2431 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-985-526-35

Query Match 9.6%; Score 176.4; DB 3; Length 2431;
Best Local Similarity 99.4%; Pred. No. 2.9e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1669 TTTCAGGGGACACGGGACCTGGAGCTGGCTTGGCCCAATGCTCAGCGTGTGAGGA 1728
Db 163 TTGCAGGGGACACGGGACCTGGAGCTGGCTTGGCCCAATGCTCAGCGTGTGAGGA 222

QY 1729 AAGGGTATTGGTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 223 AAGGGTATTGGTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 282
QY 1789 TCCAGGGTGGTTGGAATGATGACTGGAGCCTACAAAGTGCCTGACCGGGACGTCGAC 1846
Db 283 TCCAGGGTGGTTGGAATGATGACTGGAGCCTACAAAGTGCCTGACCGGGACGTCGAC 340

RESULT 2
US-07-813-593-3
; Sequence 3, Application US/07813593
; Patent No. 5185438
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: IMCLONE SYSTEMS INCORPORATED
; STREET: 180 VARICK STREET
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/813,593
; FILING DATE: 19920415
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/793,065
; FILING DATE: 15-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/728,913
; FILING DATE: 28-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-PPP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 208..4308
US-07-813-593-3

Query Match 9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1669 TTTCAGGGACAGCGGACCTGGAGCTTTGGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
Db 363 TTTCAGGGACAGCGGACCTGGAGCTTTGGGCCCAATGCTCAGCGTGATTCTGAGGA 422

QY 1729 AAGGGTATTGGTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 423 AAGGGTATTGGTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
QY 1789 TCCAGGGTGGTTGGAATGATGACTGGAGCCTACAAAGTGCCTGACCGGGACGTCGAC 1846
Db 483 TCCAGGGTGGTTGGAATGATGACTGGAGCCTACAAAGTGCCTGACCGGGACGTCGAC 540

RESULT 3
US-07-977-451-5
; Sequence 5, Application US/07977451
; Patent No. 5270458
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: IMCLONE SYSTEMS INCORPORATED
; STREET: 180 VARICK STREET
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,451
; FILING DATE: 19921119
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US UNASSIGNED
; FILING DATE: 12-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/906,397
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: TW 81102961
; FILING DATE: 15-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/02750
; FILING DATE: 02-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/813,593
; FILING DATE: 24-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/793,065
; FILING DATE: 15-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/728,913
; FILING DATE: 28-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-7P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double

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; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 208..4311
;   FEATURE:
;   NAME/KEY: mat_peptide
;   LOCATION: 265..4308
;   FEATURE:
;   NAME/KEY: sig_peptide
;   LOCATION: 208..264
;
US-07-977-451-5

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Query Match          9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
    |||||||
Db 363 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 422

QY 1729 AAGGGTATTGGTGACTGAATGCGGGGCTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
    |||||||
Db 423 AAGGGTATTGGTGACTGAATGCGGGGCTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482

QY 1789 TCCCAGGGGTGGTGGAAATGATGACTGGAGCCTACAGTCTCGTACCGGGAGCTCGAC 1846
    |||||||
Db 483 TCCCAGGGGTGGTGGAAATGATGACTGGAGCCTACAGTCTCGTACCGGGAGCTCGAC 540

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RESULT 4

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US-07-946-507-3
; Sequence 3, Application US/07946507
; Patent No. 5283354
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: IMCLONE SYSTEMS INCORPORATED
; STREET: 180 VARICK STREET
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/946.507
; FILING DATE: 19920917
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/813.593
; FILING DATE: 24-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/793.065
; FILING DATE: 15-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/728.913
; FILING DATE: 28-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/679.666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601

```

```

; REFERENCE/DOCKET NUMBER: LEM-3-PPP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 5406 base pairs
;   TYPE: NUCLEIC ACID
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 208..4311
;   FEATURE:
;   NAME/KEY: mat_peptide
;   LOCATION: 208..4308
;
US-07-946-507-3

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Query Match          9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
    |||||||
Db 363 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 422

QY 1729 AAGGGTATTGGTGACTGAATGCGGGGCTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
    |||||||
Db 423 AAGGGTATTGGTGACTGAATGCGGGGCTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482

QY 1789 TCCCAGGGGTGGTGGAAATGATGACTGGAGCCTACAGTCTCGTACCGGGAGCTCGAC 1846
    |||||||
Db 483 TCCCAGGGGTGGTGGAAATGATGACTGGAGCCTACAGTCTCGTACCGGGAGCTCGAC 540

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RESULT 5

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US-08-252-517-5
; Sequence 5, Application US/08252517
; Patent No. 5548065
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,517
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/977,451
; FILING DATE: 19-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/906,397
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: TW 81102961
; FILING DATE: 15-APR-1992

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US PCT/US92/02750
FILING DATE: 02-APR-1992
PRIOR APPLICATION DATA: US 07/813,593
FILING DATE: 24-DEC-1991
PRIOR APPLICATION DATA: US 07/793,065
FILING DATE: 15-NOV-1991
PRIOR APPLICATION DATA: US 07/728,913
FILING DATE: 28-JUN-1991
PRIOR APPLICATION DATA: US 07/679,666
FILING DATE: 02-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Feit, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-7P
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 265..4308
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 208..264
US-08-252-517-5

Query Match 9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTGAGGA 1728
|||
Db 363 TTGCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTGAGGA 422
|||
QY 1729 AAGGGTATTGGTGACTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 423 AAGGGTATTGGTGACTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
|||
QY 1789 TCCCAGGGTGGTGGAAATGATACCTGAGCGCTACAAAGTGTCTGACGGGACGTCGAC 1846
|||
Db 483 TCCCAGGGTGGTGGAAATGATACCTGAGCGCTACAAAGTGTCTGACGGGACGTCGAC 540
|||

RESULT 6
US-07-906-397A-5
Sequence 5, Application US/07906397A
Patent No. 5621090
GENERAL INFORMATION:

APPLICANT: Lemischka, Ibor R.
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMCLONE SYSTEMS INCORPORATED
STREET: 180 VARICK STREET
CITY: NEW YORK

STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10014
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/906,397A
FILING DATE: 19920626
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/813,593
FILING DATE: 24-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/793,065
FILING DATE: 15-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/728,913
FILING DATE: 28-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/679,666
FILING DATE: 02-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Feit, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-PPPPPP
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 208..4308
US-07-906-397A-5

Query Match 9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTGAGGA 1728
|||
Db 363 TTGCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTGAGGA 422
|||
QY 1729 AAGGGTATTGGTGACTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 423 AAGGGTATTGGTGACTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
|||
QY 1789 TCCCAGGGTGGTGGAAATGATACCTGAGCGCTACAAAGTGTCTGACGGGACGTCGAC 1846
|||
Db 483 TCCCAGGGTGGTGGAAATGATACCTGAGCGCTACAAAGTGTCTGACGGGACGTCGAC 540
|||

RESULT 7
US-08-601-891-5
Sequence 5, Application US/08601891
Patent No. 5747651
GENERAL INFORMATION:
APPLICANT: Lemischka, Ibor R.
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL

```

1  ; TITLE OF INVENTION:  RECEPTORS AND THEIR LIGANDS
2  ;
3  ; NUMBER OF SEQUENCES:  10
4  ;
5  ; CORRESPONDENCE ADDRESS:
6  ; ADDRESSEE:  ImClone Systems Incorporated
7  ; STREET:  180 Varick Street
8  ; CITY:  New York
9  ; STATE:  New York
10 ; COUNTRY:  U.S.A.
11 ; ZIP:  10014
12 ;
13 ; COMPUTER READABLE FORM:
14 ; MEDIUM TYPE:  Floppy disk
15 ; COMPUTER:  IBM PC compatible
16 ; OPERATING SYSTEM:  PC-DOS/MS-DOS
17 ; SOFTWARE:  PatentIn Release #1.0, Version #1.25
18 ;
19 ; CURRENT APPLICATION DATA:
20 ; APPLICATION NUMBER:  US/08/601.891
21 ; FILING DATE:  15-FEB-1996
22 ; CLASSIFICATION:  530
23 ;
24 ; PRIOR APPLICATION DATA:
25 ; APPLICATION NUMBER:  US 07/977,451
26 ; FILING DATE:  19-NOV-1992
27 ;
28 ; PRIOR APPLICATION DATA:
29 ; APPLICATION NUMBER:  US 07/906,397
30 ; FILING DATE:  26-JUN-1992
31 ;
32 ; PRIOR APPLICATION DATA:
33 ; APPLICATION NUMBER:  US PCT/US92/05401
34 ; FILING DATE:  26-JUN-1992
35 ;
36 ; PRIOR APPLICATION DATA:
37 ; APPLICATION NUMBER:  TW 81102961
38 ; FILING DATE:  15-APR-1992
39 ;
40 ; PRIOR APPLICATION DATA:
41 ; APPLICATION NUMBER:  US PCT/US92/02750
42 ; FILING DATE:  02-APR-1992
43 ;
44 ; PRIOR APPLICATION DATA:
45 ; APPLICATION NUMBER:  US 07/813,593
46 ; FILING DATE:  24-DEC-1991
47 ;
48 ; PRIOR APPLICATION DATA:
49 ; APPLICATION NUMBER:  US 07/793,065
50 ; FILING DATE:  15-NOV-1991
51 ;
52 ; PRIOR APPLICATION DATA:
53 ; APPLICATION NUMBER:  US 07/728,913
54 ; FILING DATE:  28-JUN-1991
55 ;
56 ; PRIOR APPLICATION DATA:
57 ; APPLICATION NUMBER:  US 07/679,666
58 ; FILING DATE:  02-APR-1991
59 ;
60 ; ATTORNEY/AGENT INFORMATION:
61 ; NAME:  Feit, Irving N.
62 ; REGISTRATION NUMBER:  28,601
63 ; REFERENCE/DOCKET NUMBER:  LEW-3-7P
64 ;
65 ; TELECOMMUNICATION INFORMATION:
66 ; TELEPHONE:  212-645-1405
67 ; TELEFAX:  212-645-2054
68 ;
69 ; INFORMATION FOR SEQ ID NO:  5:
70 ; SEQUENCE CHARACTERISTICS:
71 ; LENGTH:  5406 base pairs
72 ; TYPE:  nucleic acid
73 ; STRANDEDNESS:  double
74 ; TOPOLOGY:  linear
75 ;
76 ; MOLECULE TYPE:  cDNA
77 ; HYPOTHETICAL:  NO
78 ; ANTI-SENSE:  NO
79 ; FRAGMENT TYPE:  N-terminal
80 ;
81 ; FEATURE:
82 ; NAME/KEY:  CDS
83 ; LOCATION:  208..4311
84 ;
85 ; FEATURE:
86 ; NAME/KEY:  mat_peptide
87 ; LOCATION:  265..4308
88 ;
89 ; FEATURE:
90 ; NAME/KEY:  sig_peptide
91 ; LOCATION:  208..264
92 ;
93 ; US-08-601-891-5

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Query Match          9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1669  TTTCAGGGACACGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTCAGGA 1728
           || |||||
Ddb      363  TTTCAGGGACACGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTCAGGA 422
           |||||
QY      1729  AAGGTATTGTGACTGAATGCGGGGTGGTGACAGTAGTATCTTCTGCAAAACACTCACCAT 1788
           |||||
Ddb      423  AAGGTATTGTGACTGAATGCGGGGTGGTGACAGTAGTATCTTCTGCAAAACACTCACCAT 482
           |||||
QY      1789  TCCCAGGGTGTGGAAATGATACGAGCCCTACAAGTCTCGTACCGGGAGCTGCAC 1846
           |||||
Ddb      483  TCCCAGGGTGTGGAAATGATACGAGCCCTACAAGTCTCGTACCGGGAGCTGCAC 540

RESULT 8
US-09-021-324-5
; Sequence 5, Application US/09021324
; Patent No. 5912133
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/021,324
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,451
; FILING DATE: 1992-11-19
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,397
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: TW 81102961
; FILING DATE: 15-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/02750
; FILING DATE: 02-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/813,593
; FILING DATE: 24-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/793,065
; FILING DATE: 15-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/728,913
; FILING DATE: 28-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LPM-3-7P

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
MOLECULE TYPE: linear
TOPOLOGY: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 265..4308
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 208..264
US-09-021-324-5

Query Match 9.6%; Score 176.4; DB 2; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATTCGAGGA 1728
|||
DB 363 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATTCGAGGA 422
QY 1729 AAGGGTATTGGTGAATGATGAGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 1788
|||
DB 423 AAGGGTATTGGTGAATGATGAGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 482
QY 1789 TCCAGGGTGTGGAAATGATGAGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 1846
|||
DB 483 TCCAGGGTGTGGAAATGATGAGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 540

RESULT 9
PCT-US92-02750-7
Sequence 7, Application PC/TUS9202750
GENERAL INFORMATION:
APPLICANT: LEMISCHKA, IHOR R.
TITLE OF INVENTION: Totipotent Hematopoietic Stem Cell
TITLE OF INVENTION: Receptors And Their Ligands
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMCLONE SYSTEMS INCORPORATED
STREET: 180 VARICK STREET
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: US
ZIP: 10014
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/02750
FILING DATE: 19920402
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: FEIT, IRVING N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-PPPT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
MOLECULE TYPE: linear
TOPOLOGY: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 208..4308
PCT-US92-02750-7
Query Match 9.6%; Score 176.4; DB 5; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATTCGAGGA 1728
|||
DB 363 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATTCGAGGA 422
QY 1729 AAGGGTATTGGTGAATGATGAGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 1788
|||
DB 423 AAGGGTATTGGTGAATGATGAGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 482
QY 1789 TCCAGGGTGTGGAAATGATGAGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 1846
|||
DB 483 TCCAGGGTGTGGAAATGATGAGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 540
RESULT 10
PCT-US92-05401-5
Sequence 5, Application PC/TUS9205401
GENERAL INFORMATION:
APPLICANT: Lemischka, Ihor R.
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMCLONE SYSTEMS INCORPORATED
STREET: 180 VARICK STREET
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10014
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05401
FILING DATE: 19920626
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Feit, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-PPPT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
MOLECULE TYPE: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:

NAME/KEY: mat_peptide
LOCATION: 208..4308
PCT-US92-05401-5

Query Match 9.6%; Score 176.4; DB 5; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCCAGGGGACAGCGGGACCTGGACTGGCTTTTGGCCCAATGCTCAGCGTGATTCTTGAGGA 1728
|||
Db 363 TTGACGGGACAGCGGGACCTGGACTGGCTTTTGGCCCAATGCTCAGCGTGATTCTTGAGGA 422
|||

QY 1729 AAGGGTATTGGTGACTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 423 AAGGGTATTGGTGACTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
|||

QY 1789 TCCAGGGTGCTTGGAAATGATCTGGAGCCTACAAGTCTCGTACCGGGACGTCGAC 1846
|||
Db 483 TCCAGGGTGCTTGGAAATGATCTGGAGCCTACAAGTCTCGTACCGGGACGTCGAC 540

RESULT 11

Sequence 5, Application PC/TUS9209893
GENERAL INFORMATION:
APPLICANT: Lemischka, Ihor R.
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImClone Systems Incorporated
STREET: 180 Varlick Street
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10014

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/09893
FILING DATE: 19921116
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Feit, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-7PT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: Double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 265..4308
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 208..264
PCT-US92-09893-5

Query Match 9.6%; Score 176.4; DB 5; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCCAGGGGACAGCGGGACCTGGACTGGCTTTTGGCCCAATGCTCAGCGTGATTCTTGAGGA 1728
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Db 363 TTGACGGGACAGCGGGACCTGGACTGGCTTTTGGCCCAATGCTCAGCGTGATTCTTGAGGA 422
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QY 1729 AAGGGTATTGGTGACTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 423 AAGGGTATTGGTGACTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
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QY 1789 TCCAGGGTGCTTGGAAATGATCTGGAGCCTACAAGTCTCGTACCGGGACGTCGAC 1846
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Db 483 TCCAGGGTGCTTGGAAATGATCTGGAGCCTACAAGTCTCGTACCGGGACGTCGAC 540

RESULT 12

Sequence 1, Application US/08443861
Patent No. 5851999
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Risau, Werner
APPLICANT: Millauer, Birgit
APPLICANT: Gazit, Aviv
APPLICANT: Levitzki, Alex
TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular
TITLE OF INVENTION: Endothelial Growth Factor
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/443,861
FILING DATE: 22-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/193,829
FILING DATE: 09-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-060
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212)869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5470 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS
LOCATION: 286..4386
US-08-443-861-1

Query Match 9.6%; Score 176.4; DB 2; Length 5470;
Best Local Similarity 99.4%; Pred. No. 4.8e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1729 AAGGGTATTGGTGACTGAATCGCGGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 501 AAGGGTATTGGTGACTGAATCGCGGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 560
QY 1789 TCCAGGCTGCTTGAATGATCTGGAGCCTACAAAGTGGTGGTACCGGAGCTCGAC 1846
Db 561 TCCAGGCTGCTTGAATGATCTGGAGCCTACAAAGTGGTGGTACCGGAGCTCGAC 618

RESULT 13

US-08-193-829B-1

; Sequence 1, Application US/08193829B

; Patent No. 617401

; GENERAL INFORMATION:

; APPLICANT: Ullrich, Axel

; APPLICANT: Risau, Werner

; APPLICANT: Millauer, Birgit

; APPLICANT: Gazit, Aviv

; APPLICANT: Levitzki, Alex

; TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular

; TITLE OF INVENTION: Endothelial Growth Factor

; NUMBER OF SEQUENCES: 6

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; FILING DATE: 09-FEB-1994

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzzi, Laura A.

; REGISTRATION NUMBER: 30,742

; REFERENCE/DOCKET NUMBER: 7683-060

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212)790-9090

; TELEFAX: (212)869-9741

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5470 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: unknown

; TOPOLOGY: unknown

; MOLECULE TYPE: DNA

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 286..4386

US-08-193-829B-1

Query Match 9.6%; Score 176.4; DB 4; Length 5470;
Best Local Similarity 99.4%; Pred. No. 4.8e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1729 AAGGGTATTGGTGACTGAATCGCGGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 501 AAGGGTATTGGTGACTGAATCGCGGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 560

QY 1789 TCCAGGCTGCTTGAATGATCTGGAGCCTACAAAGTGGTGGTACCGGAGCTCGAC 1846
|||
Db 561 TCCAGGCTGCTTGAATGATCTGGAGCCTACAAAGTGGTGGTACCGGAGCTCGAC 618

RESULT 14

US-08-232-538-16

; Sequence 16, Application US/08232538

; Patent No. 5712380

; GENERAL INFORMATION:

; APPLICANT: Thomas, Kenneth A.

; APPLICANT: Kendall, Richard L.

; TITLE OF INVENTION: INHIBITOR OF VASCULAR ENDOTHELIAL CELL

; TITLE OF INVENTION: GROWTH FACTOR

; NUMBER OF SEQUENCES: 18

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merck & Co., Inc.

; STREET: P.O. Box 2000 126 E Lincoln Avenue

; CITY: Rahway

; STATE: NJ

; COUNTRY: USA

; ZIP: 07065-0907

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; FILING DATE:

; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:

; NAME: Wallen, John W.III

; REGISTRATION NUMBER: 35,403

; REFERENCE/DOCKET NUMBER: 18888IA

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (908) 594-3905

; TELEFAX: (908) 594-4720

; INFORMATION FOR SEQ ID NO: 16:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2264 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-08-232-538-16

Query Match 5.5%; Score 101.8; DB 1; Length 2264;
Best Local Similarity 73.4%; Pred. No. 3.3e-21;
Matches 146; Conservative 0; Mismatches 47; Indels 6; Gaps 1;

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QY 1708 TGCTCAGCGTGATTCCTGAGGAAGGGTATTGGTGACTGAATCGCGCGGTGGTGACAGTAT 1767
|||
Db 464 TAATCAGAGTGGCAGTCAGCAAGGGTGGAGTGACTGACTGACGCGATG-----GCCT 517
QY 1768 CTCTCGAAAACACTCACCATTCCAGGGGTGGTGGAAATGATATCTGGAGCCTACAGTG 1827
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Db 518 CTCTCTGAAGACACTCAAAATTCAAAAGTGAATCGAAATGACACTGGAGCCTACAAATG 577
QY 1828 CTCGTACCGGAGCTCGAC 1846
|||
Db 578 CTCTACCGGAAACTGAC 596

RESULT 15

US-08-786-164-16

; Sequence 16, Application US/08786164

; Patent No. 5861484

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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:47:07 ; Search time 250.276 seconds

(without alignments)
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Title: US-09-445-201-1_COPY_11000_12845

Perfect score: 1846

Sequence: 1 aaactagcatgtaattgata.....gtcgtaccggacgacgcac 1846

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 72403093 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

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Maximum Match 100%

Listing first 45 summaries

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3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
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13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	176.4	9.6	5406	10	US-09-919-408-5
3	176.4	9.6	5406	10	US-09-872-136-5
4	176.4	9.6	5470	9	US-09-967-655-10
5	176.4	9.6	5470	10	US-09-766-678-1
6	101.8	5.5	4071	9	US-10-023-939-1
7	101.8	5.5	4071	9	US-10-100-405A-1
8	101.8	5.5	5830	9	US-09-967-655-3
9	48.4	2.6	671	9	US-10-184-644-346
10	48.4	2.6	671	9	US-10-184-634-346
11	43.8	2.4	1849	9	US-09-776-724A-47
12	41.2	2.2	12194	9	US-10-091-438-283
13	40.4	2.2	177556	9	US-09-952-213D-6
14	40	2.2	9717	9	US-10-092-154-1581
15	40	2.2	9717	10	US-09-764-891-5983
16	38.8	2.1	110079	9	US-09-764-847-1581
17	38.8	2.1	13606	9	US-10-175-523-96
18	38.6	2.1	13606	9	US-10-239-676-166
19	38.4	2.1	42999	9	US-09-799-462A-17

20	38.4	2.1	42999	9	US-10-125-767-17	Sequence 17, Appl
21	38.4	2.1	42999	9	US-09-836-911A-17	Sequence 17, Appl
22	38.4	2.1	42999	9	US-10-151-081-17	Sequence 17, Appl
23	38.4	2.1	42999	9	US-10-287-313-17	Sequence 17, Appl
C 24	38.2	2.1	1613	10	US-09-731-872-176	Sequence 176, App
25	38	2.1	6158	9	US-10-239-676-24	Sequence 24, Appl
26	37.8	2.0	145831	10	US-09-969-708-79	Sequence 79, Appl
C 27	37.8	2.0	145831	10	US-09-954-456-2116	Sequence 2116, Ap
28	37.6	2.0	183337	9	US-10-020-141-5	Sequence 5, Appli
29	36.8	2.0	802	9	US-10-184-644-312	Sequence 312, App
30	36.8	2.0	802	9	US-10-184-634-312	Sequence 312, App
31	36.6	2.0	552	9	US-10-198-846-8622	Sequence 8622, Ap
C 32	36.4	2.0	1293	9	US-09-728-552-10	Sequence 10, Appl
C 33	36.2	2.0	594	9	US-10-123-155-10	Sequence 10, Appl
34	36	2.0	1693	10	US-09-867-550-1669	Sequence 1669, Ap
C 35	36	2.0	7317	9	US-10-239-676-47	Sequence 47, Appl
36	36	2.0	640681	10	US-09-790-988-1	Sequence 1, Appli
C 37	36	2.0	1691139	9	US-10-067-514-1	Sequence 1, Appli
C 38	35.8	1.9	373	10	US-09-867-701-4388	Sequence 4388, Ap
C 39	35.8	1.9	423	10	US-09-867-701-10306	Sequence 10306, A
C 40	35.8	1.9	437	9	US-09-918-995-19631	Sequence 19631, A
C 41	35.8	1.9	479	9	US-09-918-995-20429	Sequence 20429, A
42	35.8	1.9	606	10	US-09-954-456-606	Sequence 606, App
C 43	35.8	1.9	2000	9	US-09-938-842A-2789	Sequence 2789, Ap
C 44	35.8	1.9	335913	9	US-09-754-853A-2	Sequence 2, Appli
C 45	35.8	1.9	335913	9	US-09-754-853A-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-10-036-869-35

; Sequence 35, Application US/10036869

; Patent No. US2002015161A1

; GENERAL INFORMATION:

; APPLICANT: Mixson, James A

; TITLE OF INVENTION: CARRIER:DNA COMPLEXES CONTAINING DNA

; ENCODING ANTI-ANGIOGENIC PEPTIDES AND THEIR USE IN GENE

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Connolly, Bove, Lodge, & Hutz

; STREET: 1220 Market Street, P.O. Box 2207

; CITY: Wilmington

; STATE: Delaware

; COUNTRY: U.S.A.

; ZIP: 19899

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/036,869

; FILING DATE: 29-NO. US2002015161A1-2001

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/985,526

; FILING DATE: <Unknown>

; APPLICATION NUMBER: US 08/608,845

; FILING DATE: 16-JUL-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: McMorow Jr., Robert G

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (302) 658-9141

; TELEFAX: (302) 658-5613

; INFORMATION FOR SEQ ID NO: 35:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2431 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

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;
; SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-10-036-869-35

Query Match          9.6%; Score 176.4; DB 12; Length 2431;
Best Local Similarity 99.4%; Pred. No. 2.1e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1729 AAGGGTATTGGTGAATGAATGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 223 AAGGGTATTGGTGAATGAATGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 282

QY 1789 TCCAGGGTGGTGGAAATGATACTGAGCCTACAAGTGTCTGACGGGACGTCGAC 1846
Db 283 TCCAGGGTGGTGGAAATGATACTGAGCCTACAAGTGTCTGACGGGACGTCGAC 340

RESULT 2
US-09-919-408-5
; Sequence 5, Application US/09919408
; Patent No. US20020072077A1
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/919,408
; FILING DATE: 31-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/977,451
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 07/906,397
; FILING DATE: 26-JUN-1992
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
; APPLICATION NUMBER: TW 81102961
; FILING DATE: 15-APR-1992
; APPLICATION NUMBER: US PCT/US92/02750
; FILING DATE: 02-APR-1992
; APPLICATION NUMBER: US 07/813,593
; FILING DATE: 24-DEC-1991
; APPLICATION NUMBER: US 07/793,065
; FILING DATE: 15-NOV-1991
; APPLICATION NUMBER: US 07/728,913
; FILING DATE: 28-JUN-1991
; APPLICATION NUMBER: US 07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Felt, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-7P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 5406 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 265..4308
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 208..264
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-919-408-5

Query Match          9.6%; Score 176.4; DB 10; Length 5406;
Best Local Similarity 99.4%; Pred. No. 3.6e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
Db 363 TTTCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 422

QY 1729 AAGGGTATTGGTGAATGAATGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 423 AAGGGTATTGGTGAATGAATGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482

QY 1789 TCCAGGGTGGTGGAAATGATACTGAGCCTACAAGTGTCTGACGGGACGTCGAC 1846
Db 483 TCCAGGGTGGTGGAAATGATACTGAGCCTACAAGTGTCTGACGGGACGTCGAC 540

RESULT 3
US-09-872-136-5
; Sequence 5, Application US/09872136
; Patent No. US20020119545A1
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/872,136
; FILING DATE: 01-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/208,786
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US/09/021,324
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US/07/977,451
; FILING DATE: 1992-11-19
; APPLICATION NUMBER: US 07/906,397
; FILING DATE: 26-JUN-1992
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
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APPLICATION NUMBER: TW 81102961
FILING DATE: 15-APR-1992
APPLICATION NUMBER: US PCT/US92/02750
FILING DATE: 02-APR-1992
APPLICATION NUMBER: US 07/813,593
FILING DATE: 24-DEC-1991
APPLICATION NUMBER: US 07/793,065
FILING DATE: 15-NOV-1991
APPLICATION NUMBER: US 07/728,913
FILING DATE: 28-JUN-1991
APPLICATION NUMBER: US 07/679,666
FILING DATE: 02-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Felt, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-7P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 265..4308
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 208..264
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-872-136-5

Query Match 9.6%; Score 176.4; DB 10; Length 5406;
Best Local Similarity 99.4%; Pred. No. 3.6e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1669 TTTCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTGAGGA 1728
|||
Db 363 TTGCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTGAGGA 422
QY 1729 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 423 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
QY 1789 TCCCAGGTGGTTGGAATGATCTGGAGCCTACAAAGTCTGCTACCGGAGCGTGCAC 1846
|||
Db 483 TCCCAGGTGGTTGGAATGATCTGGAGCCTACAAAGTCTGCTACCGGAGCGTGCAC 540

RESULT 4
US-09-967-655-10
Sequence 10, Application US/09967655
Publication No. US20030092649A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR
FILE REFERENCE: RTS-0227
CURRENT APPLICATION NUMBER: US/09/967,655
NUMBER OF FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 95
SEQ ID NO 10
LENGTH: 5470

TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (286)...(4389)
US-09-967-655-10

Query Match 9.6%; Score 176.4; DB 9; Length 5470;
Best Local Similarity 99.4%; Pred. No. 3.6e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1669 TTTCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTGAGGA 1728
|||
Db 441 TTGCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTTCTGAGGA 500
QY 1729 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 501 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 560
QY 1789 TCCCAGGTGGTTGGAATGATCTGGAGCCTACAAAGTCTGCTACCGGAGCGTGCAC 1846
|||
Db 561 TCCCAGGTGGTTGGAATGATCTGGAGCCTACAAAGTCTGCTACCGGAGCGTGCAC 618

RESULT 5
US-09-766-678-1
Sequence 1, Application US/09766678
Patent No. US20020081650A1
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
Risau, Werner
Millauer, Birgit
Gazit, Aviv
Levitckai, Alex
TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular Endothelial Growth Factor
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/766,678
FILING DATE: 25-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/193,829
FILING DATE: 09-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-060
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212)869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5470 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS

LOCATION: 286..4386
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-766-678-1

Query Match 9.6%; Score 176.4; DB 10; Length 5470;

Best Local Similarity 99.4%; Pred. No. 3.6e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCAGGGA 1728

Db 441 TTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCAGGGA 500

QY 1729 AAGGGTATTCGTACATGAATGCGCGGTGCTGACAGTATCTCTGCAAAACACTCACCAT 1788

Db 501 AAGGGTATTCGTACATGAATGCGCGGTGCTGACAGTATCTCTGCAAAACACTCACCAT 560

QY 1789 TCCACGGGTGTTGGAAATGATACTGGAGCCTACAAAGTGTCTGACCGGGACGTCGAC 1846

Db 561 TCCACGGGTGTTGGAAATGATACTGGAGCCTACAAAGTGTCTGACCGGGACGTCGAC 618

RESULT 6

US-10-022-939-1

Sequence 1, Application US/10022939

Publication No. US20030032160A1

GENERAL INFORMATION:

APPLICANT: Kendall, Richard L.

APPLICANT: Thomas, Kenneth A.

APPLICANT: Mao, Xianzhi

APPLICANT: Tebben, Andrew

TITLE OF INVENTION: HUMAN RECEPTOR TYROSINE KINASE, KDR

FILE REFERENCE: 19963YDB

CURRENT APPLICATION NUMBER: US/10/022,939

CURRENT FILING DATE: 2001-12-18

PRIOR APPLICATION NUMBER: 09/483,539

PRIOR FILING DATE: 2000-01-14

PRIOR APPLICATION NUMBER: 09/098,707

PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/050,962

PRIOR FILING DATE: 1997-06-18

NUMBER OF SEQ ID NOS: 8

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 1

LENGTH: 4071

TYPE: DNA

ORGANISM: Human

US-10-022-939-1

Query Match 5.5%; Score 101.8; DB 9; Length 4071;

Best Local Similarity 73.4%; Pred. No. 1.6e-18;

Matches 146; Conservative 0; Mismatches 47; Indels 6; Gaps 1;

QY 1648 TGATATCTTCCTGGAATACCTTTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 1707

Db 135 TAATACAACTCTTCAAATTAATCTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 194

QY 1708 TGCTCAGCGTGATTCAGGAAAGGATTTGCTGACTGAATCGCGCGGTGCTGACAGTAT 1767

Db 195 TAATCAGAGTGGCAGTGAGCAAGGGTGGAGTGACTGAGTGCACGATG-----GCCT 248

QY 1768 CTTCTGCAAAACACTCACCATTCCAGGGTGGTGGAAATGATATCTGGAGCCTACAAGTG 1827

Db 249 CTTCTGTAAGACACTCACAATTCGAAAGTGATCGGAAATGACACTGGAGCCTACAAGTG 308

QY 1828 CTCGTACCGGGACGTCGAC 1846

Db 309 CTTCTACCGGGAACACTGAC 327

RESULT 7

US-10-100-405A-1

Sequence 1, Application US/10100405A

Publication No. US20030055239A1

GENERAL INFORMATION:

APPLICANT: Kendall, Richard L.

APPLICANT: Thomas, Kenneth A.

APPLICANT: Mao, Xianzhi

APPLICANT: Tebben, Andrew

TITLE OF INVENTION: HUMAN RECEPTOR TYROSINE KINASE, KDR

FILE REFERENCE: 19963YDB

CURRENT APPLICATION NUMBER: US/10/100,405A

CURRENT FILING DATE: 2002-08-13

PRIOR APPLICATION NUMBER: 10/022,939

PRIOR FILING DATE: 2001-12-18

PRIOR APPLICATION NUMBER: 09/483,539

PRIOR FILING DATE: 2000-01-14

PRIOR APPLICATION NUMBER: 09/098,707

PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/050,962

PRIOR FILING DATE: 1997-06-18

NUMBER OF SEQ ID NOS: 8

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 1

LENGTH: 4071

TYPE: DNA

ORGANISM: Human

US-10-100-405A-1

Query Match 5.5%; Score 101.8; DB 9; Length 4071;

Best Local Similarity 73.4%; Pred. No. 1.6e-18;

Matches 146; Conservative 0; Mismatches 47; Indels 6; Gaps 1;

QY 1648 TGATATCTTCCTGGAATACCTTTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 1707

Db 135 TAATACAACTCTTCAAATTAATCTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 194

QY 1708 TGCTCAGCGTGATTCAGGAAAGGATTTGCTGACTGAATCGCGCGGTGCTGACAGTAT 1767

Db 195 TAATCAGAGTGGCAGTGAGCAAGGGTGGAGTGACTGAGTGCACGATG-----GCCT 248

QY 1768 CTTCTGCAAAACACTCACCATTCCAGGGTGGTGGAAATGATATCTGGAGCCTACAAGTG 1827

Db 249 CTTCTGTAAGACACTCACAATTCGAAAGTGATCGGAAATGACACTGGAGCCTACAAGTG 308

QY 1828 CTCGTACCGGGACGTCGAC 1846

Db 309 CTTCTACCGGGAACACTGAC 327

RESULT 8

US-09-967-655-3

Sequence 3, Application US/09967655

Publication No. US20030092649A1

GENERAL INFORMATION:

APPLICANT: C. Frank Bennett

APPLICANT: Andrew T. Watt

TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR

TITLE OF INVENTION: EXPRESSION

FILE REFERENCE: RTS-0227

CURRENT APPLICATION NUMBER: US/09/967,655

CURRENT FILING DATE: 2001-09-28

NUMBER OF SEQ ID NOS: 95

SEQ ID NO 3

LENGTH: 5830

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (304)...(4374)

US-09-967-655-3

Query Match 5.5%; Score 101.8; DB 9; Length 5830;

Best Local Similarity 73.4%; Pred. No. 2.1e-18;

Matches 146; Conservative 0; Mismatches 47; Indels 6; Gaps 1;

QY 1648 TGATATCTTCCTGGAATACCTTTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 1707

Qy	424	CAGTGTGTTTTCTGGGCACATAATGAGCCTAGATCGTAGTGCCATCCCAAGAGAGTC	483
Db	369	SSGDELREDDPEVKKRGRGPSPSSDSPEAELEBEAKKSAAKPOSSSTEPARKPG	428
Qy	484	TGTGTGCCAAAAGAGCCCTAGCACCTTGTGCAGTTGCCTCATATTTCAGAAACTTA	543
Db	429	OKEKRVREEQQOAKPVVERTRKRSEGFMSDMRKVEEKPEVSVEEKLQLHSEIKFALKY	488
Qy	544	GAGTGTCCCAGAATAACTCAGGGCTAGTGTTCATCATTCATGTGGAGAGATCCAAGCC	603
Db	489	DSPDVKRLNALLEEELGTQVTSIQLKNTDVTATLKKIRRYKANCKDVMKEAAEVYTRLKS	548
Qy	604	TCCTATCTAGGTCGTACAAAAAGTACCACATGCCACTCTTTGGGGAAAGCAAACCCAGA	663
Db	549	RVLGPKTEAVOKNVKNAGMEKEAKEEKLAGEELAGEEAPOKAEDKPSTDLSAPVNGEATS	608
Qy	664	AAGCGCATG 671	
Db	609	OKGESAED 616	

```

Qy      664 AAGCGATG 671
      | : | :
Db      609 QKGEAED 616

RESULT 10
US-10-184-634-346
; Sequence 346, Application US/10184634
; Publication No. US2003006864A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184, 634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 346
; LENGTH: 671
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-634-346

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: SEQ ID NO 346
: LENGTH: 671
: TYPE: PRT
: ORGANISM: Homo Sapien
US-10-184-634-346

Query Match      2.6%; Score 48.4; DB 9; Length 671;
Best Local Similarity 7.6%; Pred No. 0.0018;
Matches 46; Conservative 209; Mismatches 353; Indels 0; Gaps 0

Qy 64 GAATAGAGCTAAAAATTCATCCATGTTCAAGTCACCCAGAATGGCTCTCGGACATATTTT 123
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 9 DLFEAKMGYPHPWARIDDIADGAVKPPNNKYPPIFFGTHETAFGLPKDLFPYDKCKOKY 68

Qy 124 TTTTACTGTTTCTACAAGTGAATTCGCCGTGATTAGCAATTTAATATCTAGCCAA 183
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 69 GPNKRKRGNFEGWMEIIONNPASYSAPPPVSSDSEAPEANPDGSDADEDEDGRGVAV 128

Qy 184 TAATATCTCTGACCATATGTCCTCTTCAGACCATGACCTTCATATCTGGCTTGATGTTTC 243
||:|:|:| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 129 TAVTATAASDMESDSDSDSKSSNSGLKRTPALKMSVSKRARKASSLDQASVSPSEE 188

Qy 244 TGGGCTTCTTTCCCTCTTGGCAGCAAGATGTCACGGTGTGTGATCGTGAATAAAGTGA 303
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 189 NSESSSESEKTSDDQDFTEPKAAVRAPRGRPLGGRKKKKKAPASDSDSKADSDGAKPEPV 248

Qy 304 ACAGAAGTTTTCCACAGACAGACGACCTTGAATTTTGCCTTCCCTCGAGACACAAGAA 363
||:|:|:| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 249 AMARASSSSSSSSSDSDSVKKPPRGRKPAERPLPKPRGRKPKPERPPSSSSSSSDSD 308

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; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/241,809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249,299
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,517
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 60/225,268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251,856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251,868
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/229,344
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/234,997
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: 60/229,343
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,345
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,287
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,513
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/231,413
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/229,509
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/236,367
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/237,039
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,038
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/236,370
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/236,802

; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,037
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,040
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/240,960
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/239,935
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/239,937
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/241,787
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/246,474
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/246,532
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/249,216
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,210
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/226,681
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,759
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/225,213
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/227,182
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,214
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/235,836
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/230,438
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/215,135
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: 60/225,266
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/249,218
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,208
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,213
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,212
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,207
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,245
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,244
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,217
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,211
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,215
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,264
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,214
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,297
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/232,400
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/231,242
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,081
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,080
; PRIOR FILING DATE: 2000-09-08

?	PRIOR APPLICATION NUMBER: 60/231,414	?
?	FILING DATE: 2000-09-08	?
?	PRIOR APPLICATION NUMBER: 60/231,244	?
?	FILING DATE: 2000-09-08	?
?	PRIOR APPLICATION NUMBER: 60/233,064	?
?	FILING DATE: 2000-09-14	?
?	PRIOR APPLICATION NUMBER: 60/233,063	?
?	FILING DATE: 2000-09-14	?
?	PRIOR APPLICATION NUMBER: 60/232,397	?
?	FILING DATE: 2000-09-14	?
?	PRIOR APPLICATION NUMBER: 60/232,399	?
?	FILING DATE: 2000-09-14	?
?	PRIOR APPLICATION NUMBER: 60/232,401	?
?	FILING DATE: 2000-09-14	?
?	PRIOR APPLICATION NUMBER: 60/241,808	?
?	FILING DATE: 2000-10-20	?
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?	FILING DATE: 2000-10-20	?
?	PRIOR APPLICATION NUMBER: 60/241,786	?
?	FILING DATE: 2000-10-20	?
?	PRIOR APPLICATION NUMBER: 60/241,221	?
?	FILING DATE: 2000-10-20	?
?	PRIOR APPLICATION NUMBER: 60/246,475	?
?	FILING DATE: 2000-11-08	?
?	PRIOR APPLICATION NUMBER: 60/231,243	?
?	FILING DATE: 2000-09-08	?

Query Match 2.2%; Score 41.2; DB 9; Length 12194;
Best Local Similarity 51.6%; Pred. No. 1.5;
Matches 94; Conservative 0; Mismatches 88; Indels 0;

```

RESULT 13
US-09-952-213D-6
/ Sequence 6, Application US/09952213D
/ Publication No. US20030096240A1
/ GENERAL INFORMATION:
/ APPLICANT: MURAD, FERID
/ APPLICANT: SHARINA, IRAIDA G.
/ APPLICANT: KRUMENACKER, J. S.
/ APPLICANT: MARTIN, E.
/ TITLE OF INVENTION: GENOMIC ORGANIZATION OF
/ FILE REFERENCE: UTSH:252US
/ CURRENT APPLICATION NUMBER: US/09/952,213D
/ CURRENT FILING DATE: 2002-08-16
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 6
/ LENGTH: 177556
/ TYPE: DNA
/ ORGANISM: Mus musculus
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (2293..144567)
/ OTHER INFORMATION: N = A, C, T/U OR G
US-09-952-213D-6

```

```

Query Match.      2.2%;   Score 40.4;   DB 9;   Length 177556;
Best Local Similarity 52.4%;   Pred. No. 15;
Matches 89;   Conservative 0;   Mismatches 81;   Indels 0;   Gaps 0;

QY      89  TTCAAGTCACCCAGAAATGGCTTCGGACATTTTTTTTTTTAGCTGTTTTCTACAAGTGA 148
DB      174405  TCCCAATTAATCTCACTGGAATTTTCTGTTTTCTTAATTGACCTCTTTGAGACATTTGGA 174464

QY      149  ATTCTGGCTGTATTAGCAATTTAATATCTAGCCCAATAATAATTCCTGACCATATGTCCTGT 208
DB      174465  ATGAAGCCCATAGTTTAATTTTGGCATATCTCCAGTACTTTTCATTTTAGGTATGTCTCTT 174524

QY      209  TCAGACCATGACCTTCATATCTGGCTTGTATGTTCTGGGCTCTTTCCTCT 258
DB      174525  TATGCCCATGACATTTTGAACACTGTTTGTGTTCTTTCTTCTCTCTT 174574

RESULT 14
US-10-092-154-1581/c
; Sequence 1581, Application US/10092154
; Publication No. US20030054375A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009C1
; CURRENT APPLICATION NUMBER: US/10/092.154
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2003
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1581
; LENGTH: 9717
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-092-154-1581

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```

Query Match          2.2%; Score 40; DB 9; Length 9717;
Best Local Similarity 45.9%; Pred. No. 2.9;
Matches 136; Conservative 0; Mismatches 160; Indels 0; Gaps 0;

QY      1042 TGTGTGTTCTTCAATGCTTCAGATGTGCCCCGGGTCTGTGCTTTCACACTTACT 1101
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      2556 TATTCTCTTCTGTAATGAGTCAGAGGTATTAATATATGATGTGAGTCCCCCAATTACC 2497

QY      1102 GATGCTGCCCTGGAAATGCTATTCTCCCAATGTGCATAGGGCCAGCTCGGTCCAAATCCTC 1161
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      2496 CTGCGCAGAGATAAGTCTTTTAAATGCAATTACAATATCCTAGATAAATTACAAACTCC 2437

QY      1162 TCTTTTCTTTGGCCTCTTTTATATTTTCTTCACAGATCAAAATCACACAGTTTATGCAA 1221
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      2436 TCTTATGTAATCTTTCTCTGAGGTGAAATGAGACACTGCACAGATGAGAGGTACTATTTC 2377

QY      1222 CAACACTGAAACTTTAAATTTGCTGTGCTCTCTTATATTAGTATAGTTTCCAGAAAGGCAC 1281
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Db      2376 TATTTCATCAACAATCAACCTTTTCACCTCAATTTTAAATATTATTTAAATTTCTATGGAAAAAAC 2317

QY      1282 TGATTTTTTTTCTCCCTGCTGTGTACACTGGGCACTACTCTACCACTGAGCGTCAT 1337
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Db      2316 AAATTTTATTACATTCTCTTTTAAACGGGGGAAAAAACTGTACAAGTAAGCATGAT 2261

RESULT 15
US-09-764-891-5983 .
; Sequence 5983, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; PRIORITY FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5983
; LENGTH: 9717
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-5983

Query Match 2.2%; Score 40; DB 9; Length 9717;
Best Local Similarity 45.9%; Pred. No. 2.9;
Matches 136; Conservative 0; Mismatches 160; Indels 0; Gaps 0;

Qy	1042	TGTTGCTGCTTCTTCAATGCTTCAGATGGCCCTGGTCCCTGCTGCTTCACACCTTACT	1101
Db	7162	TATTTCTTCTGTTAATGAGTCAGAGGTATTAATATATATGTCAGTCCCCCATTTACC	7221
Qy	1102	GATGCTGCTGGAATGCTATTCTCCCAATGTCATAGGGCCAGCTCGTCCAAATCCTC	1161
Db	7222	CTGGCAAGATAAGTTCTTTAAATGCAATTAGATAATTCCTAAGATAAATTACAAACTCC	7281
Qy	1162	TCTTTTCTTGGCTCTTTTATATTTTCTTCACAGTATCAAAATCACCACAGTTTATGCAA	1221
Db	7282	TCATTATGATCCTTTTCTCTGAGTGAAATGAGACACTGCACAGATGAGAGGTACTATTC	7341
Qy	1222	CAAACTGAAACTTTAAATGCTGCTCTCTATATTAGTCATAGGTTCCAGAAAGGCAC	1281
Db	7342	TATTCATCAACAATCAACCTTCACTCAATTTTAAATATTTAATTTCTATGGAAAAAC	7401
Qy	1282	TGATTTTCTTCTCCCTGGTGTACACTGGGCAACTACTCTACCACCTGAGCGTGAT	1337
Db	7402	AAATTTTATTACATTCCTTTTAAACGGGGGAAAACTGTACAAGTAAGCATGAT	7457

Search completed: June 16, 2003, 20:06:37
Job time : 253.276 secs

